

Color TV

Directions for Use



Important!
Return your
Warranty
Registration Card
within 10 days.
See why inside.



Read this manual first!

Congratulations on purchasing this Philips product. We've included everything you need to get started. If you have any problems, Philips Representatives can help you get the most from your new product by explaining:

- Hookups,
- First Time Setup, and
- Feature Operation.

Do not attempt to return this product to the store.

For fast help, call us first!
1-800-531-0039

Thank you for making Philips a part of your home!

Model No.: _____

Serial No.: _____

Let's make things better.



PHILIPS

Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

Once your PHILIPS purchase is registered, you're eligible to receive all the privileges of owning a PHILIPS product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your PHILIPS warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

Congratulations on your purchase, and welcome to the "family!"

PHILIPS



Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come. As a member of the PHILIPS "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome—and thanks for investing in a PHILIPS product.

Sincerely,

Lawrence J. Blanford
President and Chief Executive Officer

P.S. Remember, to get the most from your PHILIPS product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

Know these safety symbols



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, and fully insert.

ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

PHILIPS Visit our World Wide Web Site at <http://www.philips.com>

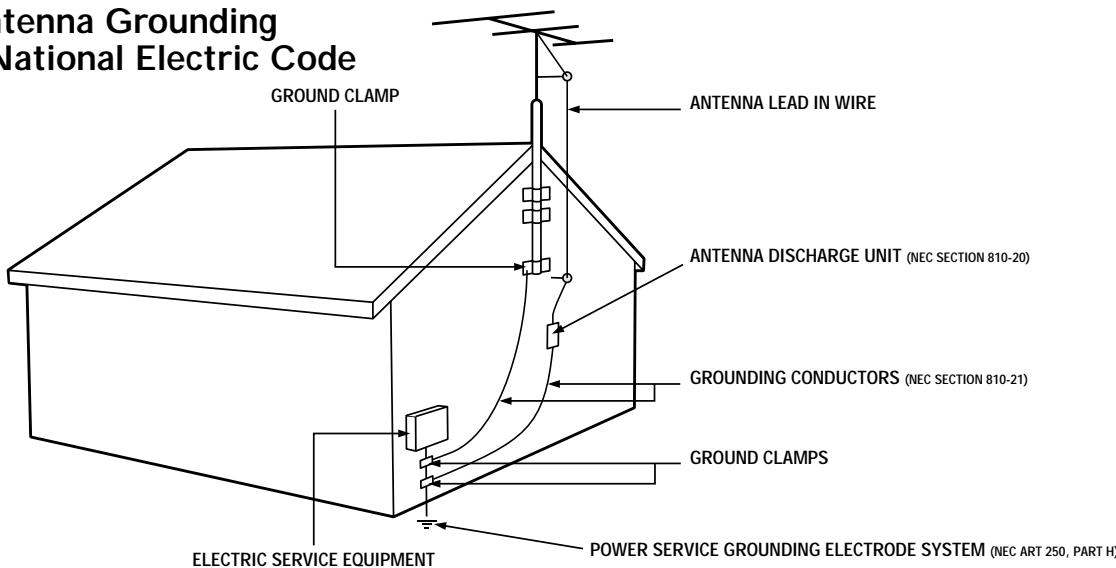
IMPORTANT SAFETY INSTRUCTIONS

Read before operating equipment

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12.  Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org
16. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the appliance; or
 - C. The appliance has been exposed to rain; or
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E. The appliance has been dropped, or the enclosure damaged.
17. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.
 - Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
 - Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
19. **Power Lines** - An outdoor antenna should be located away from power lines.
20. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure below.
21. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

Note to the CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Example of Antenna Grounding as per NEC - National Electric Code



CONTENTS

INTRODUCTION

Welcome/Registration of Your TV	2
Safety/Precautions	2-3
Features	5

AUDIO/VIDEO INPUT JACKS

Jack Panel descriptions and required cables	6
Using the AV 1 Input Jacks	7
Using the AV 2 Input Jacks	8
Using the Side (AV 3) Input Jacks	9
Using the Component Video Input Jacks (CVI)	10
Using the S-Video Input Jack	11
Using the Monitor Output Jacks	12
Connecting External Speakers	13

PICTURE MENU CONTROLS

Adjusting the Brightness Control	14
Adjusting the Color Control	14
Adjusting the Picture Control	14
Adjusting the Sharpness Control	14
Adjusting the Tint Control	14
How to set the Color Temp Control	14
How to use the DNR (Noise Reduction) Control	15
How to use the Contrast + Control	16

SOUND MENU CONTROLS

Adjusting the Treble Control	17
Adjusting the Bass Control	17
Adjusting the Balance Control	17
How to use the AVL control	18
How to use the Incr.(edible) Surround Control	19
How to set the Stereo Control	20
How to set the TV to receive Secondary Audio Programming, also known as the SAP Control	21
How to set the Audio Out Control	22
How to turn the TV speakers on or off using the Speaker Control	23

FEATURE MENU CONTROLS

How to use the Timer controls:

Setting the TV Clock using the Time Control	24
Setting a time for the TV to turn itself on using the Start Time Control	25
Setting a time for the TV to turn itself off using the Stop Time Control	26
Setting the TV to start on a specific channel using the Channel Control	27
How to activate the controls using the Activate Control	28
How to view the time using the Display Control	29
How to activate the Active Control™	30

How to use the AutoLock™ Controls:

Understanding the AutoLock™ Feature	31
Setting up an AutoLock™ Access Code	32
How to Block Channels	33
How to Clear All blocked channels at the same time	34
Blocking programming based on Movie Ratings	35
Blocking programming based on TV Ratings	36
AutoLock™ Blocking Options - Blocking Control	37
AutoLock™ Blocking Options - No Rating Control	38
How to review the AutoLock™ Control Status	39
How to use the Closed Captioning Control	40
How to change the screen (size) format using the Format Control	41
How to use the Rotation Control	42
How to set the Blue Mute Control	43

REMOTE CONTROL RELATED FEATURES

How to set the Sleep Timer Control	44
Using the AutoPicture™ Control	45
Using the AutoSound™ Control	46
Using the Surf Control (and Alternate Channel)	47
Using the Remote Control with accessory devices	
Direct Access Method	48
Code-Entry Method	49
Search Method	50
Direct-Entry Code list for accessory devices	51-52
Remote Control VCR Specific Button	53

PIP - PICTURE IN PICTURE

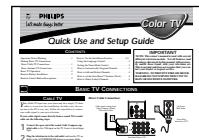
Picture-In-Picture (PIP) ON and OFF	54
Selecting the PIP Channel or Picture Source	55
PIP Features and PIP Remote Buttons	56
How to Adjust the PIP Color and Tint Controls	57

GENERAL INFORMATION

Care and Cleaning	58
Troubleshooting	59
Glossary of terms	60
Index	61
Factory Service Locations	62-63
Limited Warranty	64

QUICK USE AND SETUP GUIDE

Refer to the simple *Quick Use and Setup Guide* (supplied with your TV) for details on basic connections, operations, and the *Installion* features.



FEATURES

Active Control™ continuously measures and corrects all incoming signals to help provide the best picture quality. This feature monitors and corrects both the sharpness control and noise reduction control.

Audio/Video Jack Panel allows direct connections with VCRs, DVDs, or other devices, providing quality TV picture and sound playback.

Audio Volume Leveler (AVL) Control keeps the TV sound at an even level. Peaks and valleys that occur during program changes or commercial breaks are reduced, making for a more consistent, comfortable sound.

AutoChron™ automatically sets the right time of day and maintains it with digital precision through brownouts, power failures, and even Daylight Savings Time adjustments.

AutoLock™ allows you to block the viewing of certain channels or programs with certain ratings if you do not want your children to view inappropriate materials.

Auto Programming scans (when activated) for all available channels from regular antenna or cable signals and stores only active broadcast stations in the TV's memory.

AutoPicture™ allows you to change the picture settings (color, tint, contrast, etc.) for various types of programming, such as sports, movies, multimedia (games), or weak signals with the push of one button.

AutoSound™ allows you to select from three factory-set controls and a personal control that you set according to your own preferences through the onscreen Sound menu. The three factory-set controls (Voice, Music, and Theatre) enable you to tailor the TV sound so as to enhance the particular programming you are watching.

Channel Edit allows you to add or delete channels from the list stored in the TV's memory. Channel Edit makes it easy to limit or expand the number of channels that are available to you when you press the Channel (+) or (-) buttons on your remote control.

Closed Captioning allows the viewer to read TV program dialogue or voice conversations as onscreen text.

Contrast + helps to sharpen the picture quality by improving the contrast between the darkest and brightest parts of the picture.

Infrared Remote Control works your TV and other remote-controlled devices, such as VCRs, DVD players, cable converters, and satellite receivers.

Onscreen Menu shows helpful messages and instructions for setting TV feature controls (can be viewed in English, French, or Spanish).

Picture-In-Picture (PIP) allows you to view two different programs (or picture sources) on the TV screen at the same time. PIP will also let you swap the pictures, move the PIP window to any of the four corners of the screen, freeze the picture until you shut it off.

Sleep Timer automatically turns the TV OFF after a set amount of time that you choose.

Stereo capability, including a built-in audio amplifier and twin-speaker system, allows for the reception of TV programs broadcast in stereo sound.

Surf Button allows you to easily switch among only the channels that are of interest to you (the ones that you have programmed into the TV's Surf control through the onscreen menu).

Timer allows you to set your TV to turn itself ON and OFF once or daily like an alarm clock.

Items Included with This TV

As you unpack your TV, please note that there is a **Directions for Use** manual, **Quick Use Guide**, **Warranty Registration Card**, **remote control** and **batteries**.

Please take a minute to complete your registration card. The serial number for the TV is on the rear of the set. Transfer your Model Number and Serial number to the cover of this booklet for future use.

END-OF-LIFE DISPOSAL

Your new television and its packing contain materials that can be recycled and reused. Specialized companies can recycle your product to increase the amount of reusable materials and minimize the amounts that need to be properly disposed.

Your product also uses batteries that should not be thrown away when depleted, but should be handed in and disposed of as small chemical waste.

When you replace your existing equipment, please find out about the local regulations regarding disposal of your old television, batteries, and packing materials.



As an Energy Star® Partner, Philips Consumer Electronics has determined this product meets the Energy Star® guidelines for energy efficiency. Energy Star® is a U.S. registered mark. Using products with the Energy Star® label can save energy. Saving energy reduces air pollution and lowers utility bills.

Active Control, APAC, AutoPicture, AutoSound, AutoChron, and Incredible Surround are trademarks of Philips Consumer Electronics Company. Copyright 2001 Philips Consumer Electronics.

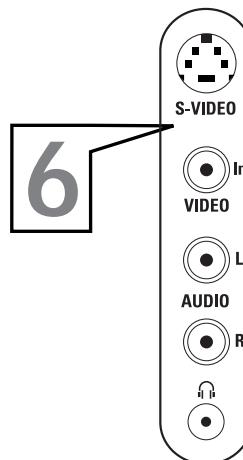
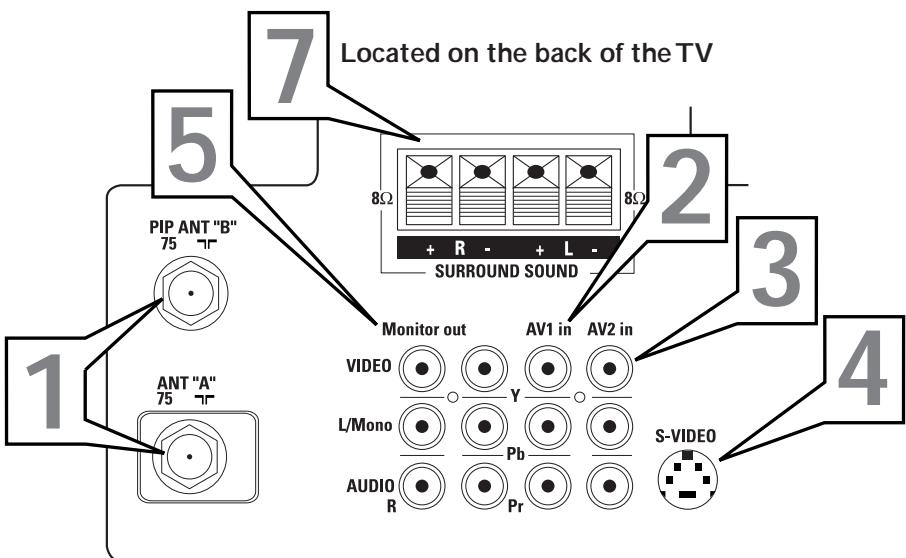
*Manufactured under license from Dolby Laboratories.
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JACK PANEL DESCRIPTIONS AND REQUIRED CABLES

The television is equipped with external input and output jacks for use with optional accessory devices such as VCRs, DVD Player, Gaming Units, Video Cameras, etc. The following gives a brief explanation of the different types of jacks available and the type of cables needed to make connections.

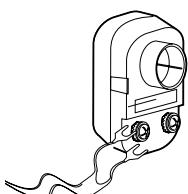
- 1** **75Ω RF - Cable/Antenna Inputs** (Antenna A and Antenna B) connection jacks. Located on the back of the television.
- 2** **AV 1 in** - Audio/Video connection jacks. Located on the back of the television. Along with Component Video Inputs.
- 3** **AV 2 in** - Audio/Video Input connection jacks. Located on the back of the television.
- 4** **S-Video Input jack** - Used with the AV 2 in Audio Left and Right Input jacks. Located on the back of the television.
- 5** **Monitor Out** - Audio/Video Output connection jacks. Located on the back of the television.
- 6** **AV 3 (SIDE)** - Audio/Video Input jacks, plus a Headphone jack located on the side of the cabinet.
- 7** **8Ω External Speaker** - Speaker wire inputs for right and left channel external speakers.



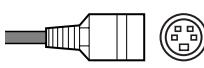
Cable Descriptions:



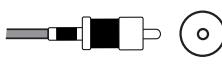
A **75-ohm coaxial cable** connects signals from an antenna or a cable TV company to the antenna jack on the back of the TV. Coaxial cables use "F" connectors.



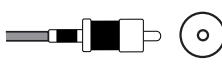
A **300- to 75-ohm twin-lead adapter** accepts the antenna cables (called twin-lead wires) from an antenna, allowing you to connect the antenna signal to the TV.



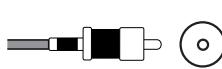
An **S-Video cable** provides better picture performance than regular (composite) video connections. S-Video cables can be used only with S-Video-compatible accessory devices. You must also connect the left and right audio cables to the AV 2 Audio in jacks because the S-Video jack carries only the picture signal, not the sound.



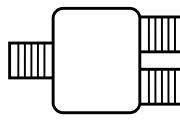
Yellow - Video



White - Audio Left



Red - Audio Right



Video and audio cables with standard RCA (phono) connectors connect the video and audio jacks of accessory devices such as VCRs and DVD players to the jacks on the TV.

These connectors are usually color coded. The jacks on your TV are also color coded to match the colors of the connectors. Yellow for video (composite) and Red and White for the right and left audio channels. The video cables used to connect component video or RGB (high-resolution) jacks are color coded red, green, and blue.

A **two-way signal splitter** enables you to take a single antenna or cable TV signal and supply it to two different inputs.

USING THE AV 1 INPUT JACKS

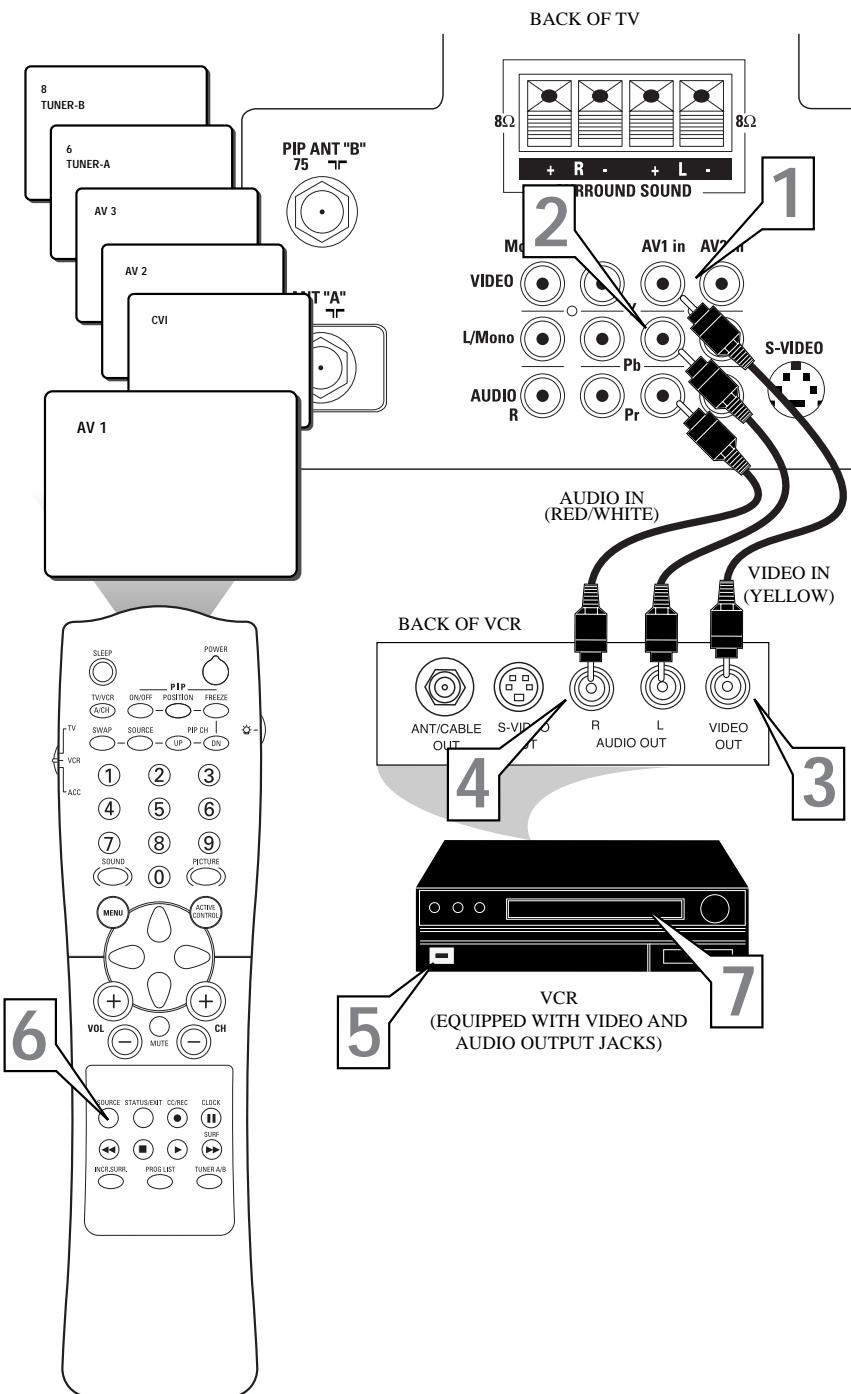
The TV's audio/video input jacks are for direct picture and sound connections between the TV and a VCR (or similar device) that has audio/video output jacks. Follow the easy steps below to connect your accessory device to the AV 1 Input Jacks located on the back of the TV.

- 1** Connect the **VIDEO** (yellow) cable to the **VIDEO AV 1** in jack on the back of the TV.
- 2** Connect the **AUDIO** (red and white) cables to the **AUDIO** (left and right) **AV1 in** jacks on the rear of the TV.
- 3** Connect the **VIDEO** (yellow) cable to the **VIDEO OUT** jack on the back of the VCR.
- 4** Connect the **AUDIO** (red and white) cables to the **AUDIO** (left and right) **OUT** jacks on the rear of the VCR.
- 5** Turn the **VCR** (accessory device) and the **TV ON**.
- 6** Press the **SOURCE** button on the remote control to select the **AV 1** channel. **AV 1** will appear in the upper left corner on the TV screen.
- 7** With the **VCR** (or accessory device) **ON** and a prerecorded tape (CD, DVD, etc.) inserted, **press the PLAY button** to view the tape on the television.

CHECK IT OUT

Repeatedly pressing the **SOURCE** button on the remote control will toggle the picture source from the current channel, then **AV 1**, **CVI**, **AV 2**, **AV 3 (Side)**, **Tuner A** channel and the **Tuner B** Channel Input connections.

NOTE: Repeatedly pressing the **SOURCE** button on the remote control will toggle the picture source from the current channel, the **AV 1** channel, then the **CVI** channel, then the **AV 2** channel, then the **AV 3** (side) channel, then the **Tuner A** channel and the **Tuner B** channel.



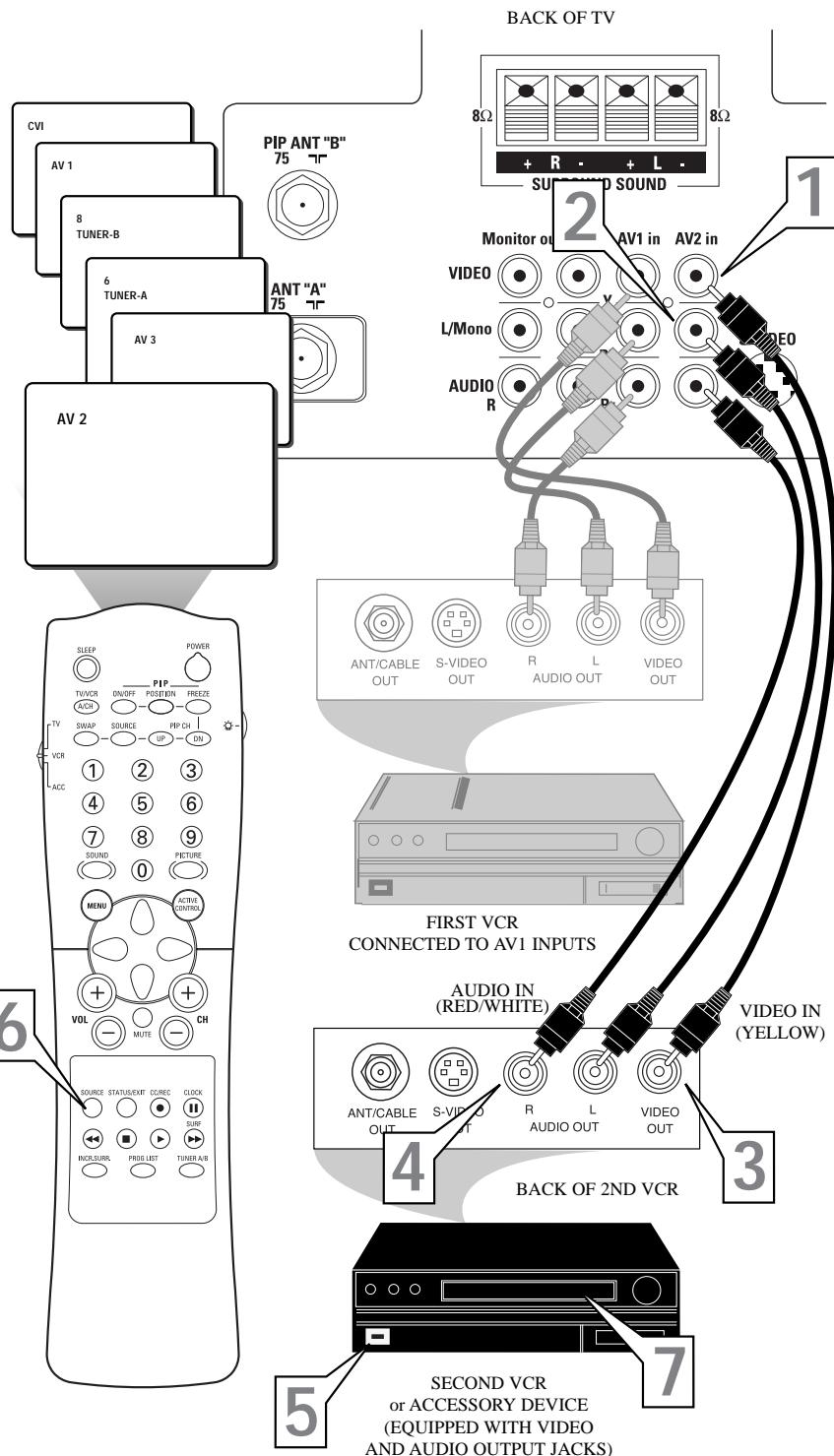


USING THE AV 2 INPUT JACKS

The TV's audio/video input jacks allow you to connect multiple accessory devices at one time to different sets of input jacks. Follow the easy steps below to connect an additional accessory device to the AV 2 Input Jacks located on the back of the TV.

- 1** Connect the **VIDEO (yellow)** cable to the **VIDEO AV 2** in jack on the back of the TV.
- 2** Connect the **AUDIO (red and white)** cables to the **AUDIO (left and right)** AV2 in jacks on the rear of the TV.
- 3** Connect the **VIDEO (yellow)** cable to the **VIDEO OUT** jack on the back of the VCR.
- 4** Connect the **AUDIO (red and white)** cables to the **AUDIO (left and right)** OUT jacks on the rear of the VCR.
- 5** Turn the **VCR (accessory device)** and the **TV ON**.
- 6** Press the **SOURCE** button on the remote control to select the **AV 2** channel. **AV 2** will appear in the upper left corner on the TV screen.
- 7** With the **VCR (or accessory device)** ON and a prerecorded tape (CD, DVD, etc.) inserted, **press the PLAY button** to view the tape on the television.

NOTE: Repeatedly pressing the **SOURCE** button on the remote control will toggle the picture source from the current channel, the **AV 1** channel, then the **CVI** channel, then the **AV 2** channel, then the **AV 3** (side) channel, then the **Tuner A** channel and the **Tuner B** channel.

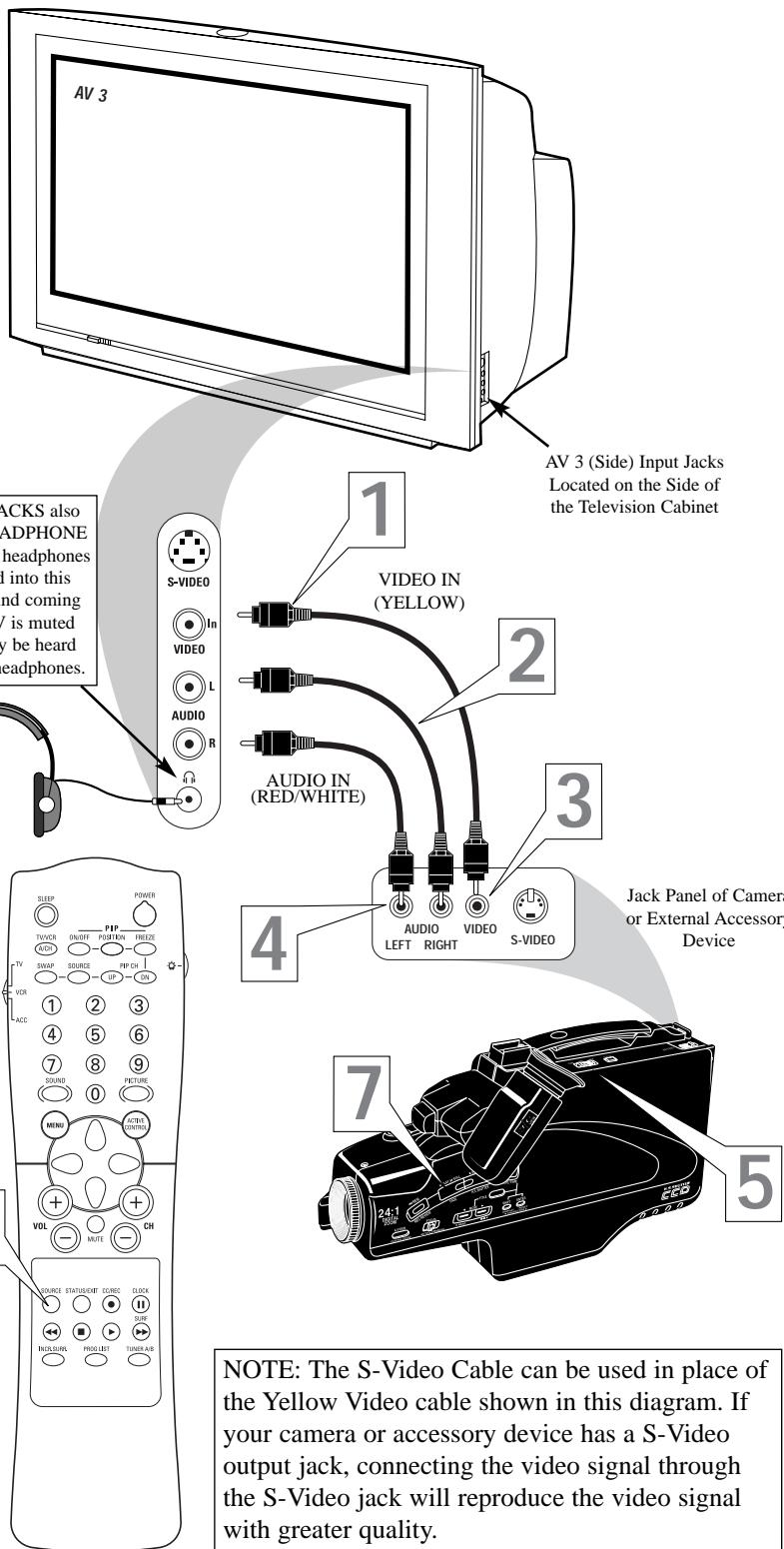


USING THE AV 3 (SIDE) INPUT JACKS



This television has input jacks conveniently located on the side of the cabinet. These jack are for easy hook-ups (without having to move around to the back of the TV) for cameras, gaming units, and other accessory devices that wouldn't be connected permanently. Follow the easy steps below to connect your accessory device to the SIDE (AV 3) Input Jacks located on the right side of the TV.

- 1** Connect the **VIDEO (yellow)** cable to the **VIDEO** in jack on the side of the TV.
- 2** Connect the **AUDIO (red and white)** cables to the **AUDIO (left and right)** in jacks on the side of the TV.
- 3** Connect the **VIDEO (yellow)** cable to the **VIDEO OUT** jack on the back of the camera (or accessory device).
- 4** Connect the **AUDIO (red and white)** cables to the **AUDIO (left and right)** OUT jacks on the rear of the camera (or accessory device).
- 5** Turn the camera (or accessory device) and the TV ON.
- 6** Press the **SOURCE** button on the remote control to select the AV 3 channel. AV 3 will appear in the upper left corner on the TV screen.
- 7** With the camera (or accessory device) ON and a prerecorded tape (CD, DVD, Game Card, etc., depending on type of accessory device) inserted, **press the PLAY button** to view the tape on the television.





USING THE COMPONENT VIDEO INPUT (CVI) JACKS

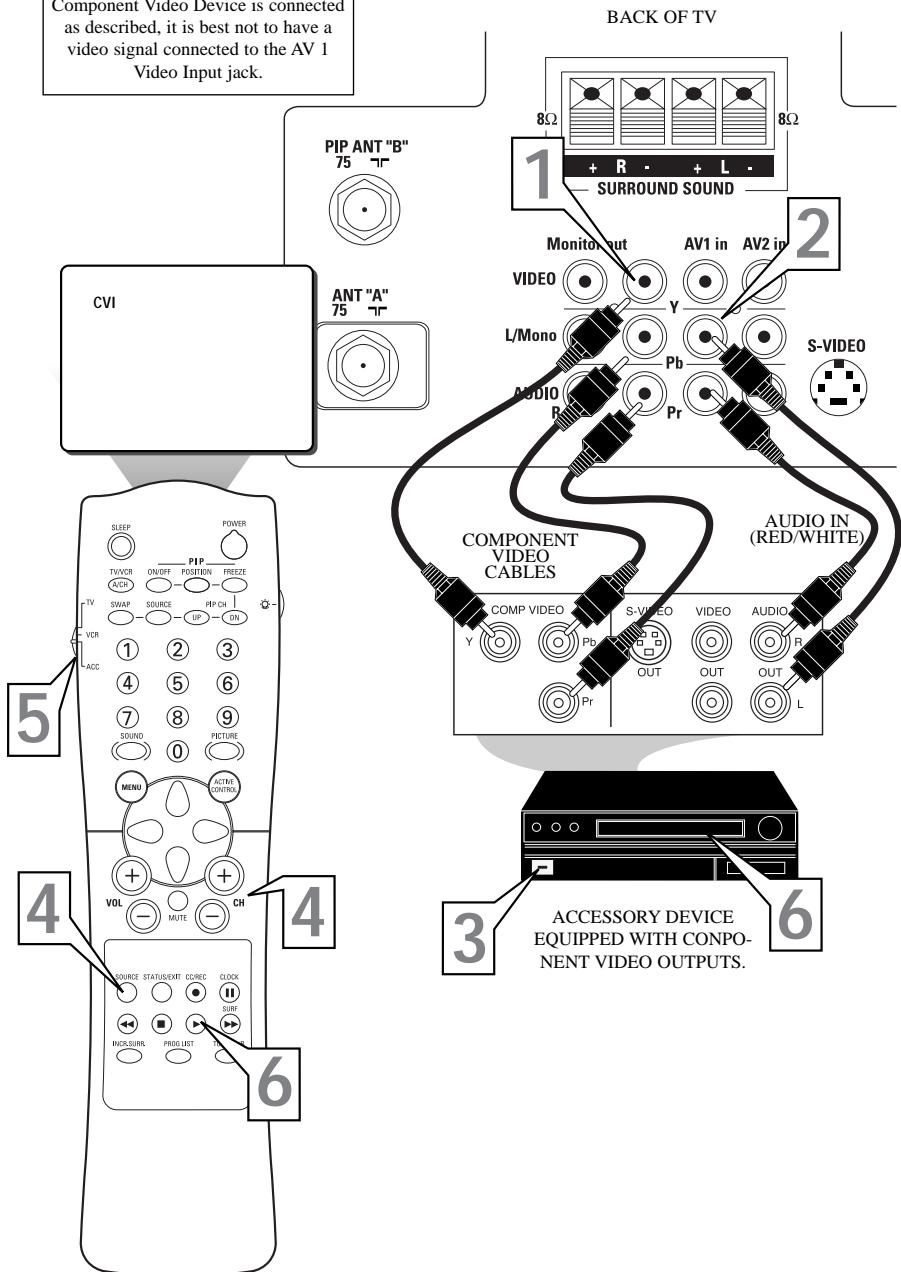
Component Video inputs provide for the highest possible color and picture resolution in the playback of digital signal source material, such as with DVD players. The color difference signals (Pb, Pr) and the luminance (Y) signal are connected and received separately, which allows for improved color bandwidth information (not possible when using composite video or S-Video connections).

- 1** Connect the Component (Y, Pb, Pr) Video OUT jacks from the DVD player (or similar device) to the (Y, Pb, Pr) in(put) jacks on the TV. When using the Component Video Inputs, it is best not to connect a signal to the AV1 Video Input.
- 2** Connect the red and white AUDIO CABLES to the Audio (left and right) output jacks on the rear of the accessory device to the Audio (L and R) AV1 in(put) jacks on the TV.
- 3** Turn the TV and the DVD (or digital accessory device) ON.
- 4** Press the SOURCE button or the CH +, - buttons to scroll the available channels until CVI appears in the upper left corner of the TV screen.
- 5** Slide the TV/VCR/ACC Switch to the ACC position.
- 6** Insert a DVD disc into the DVD player and press the PLAY ► button on the remote.

HELPFUL HINT

The description for the component video connectors may differ depending on the DVD player or accessory digital source equipment used (for example, Y, Pb, Pr; Y, B-Y, R-Y; Y, Cr, Cb). Although abbreviations and terms may vary, the letters *b* and *r* stand for the blue and red color component signal connectors, and *Y* indicates the luminance signal. Refer to your DVD or digital accessory owner's manual for definitions and connection details.

The CVI connection will be dominate over the AV 1 Video Input. When a Component Video Device is connected as described, it is best not to have a video signal connected to the AV 1 Video Input jack.



USING THE S-VIDEO INPUT JACKS

The S(uper)-Video connection on the rear of the TV can provide you with better picture detail and clarity for the playback of accessory sources such as DBS (digital broadcast satellite), DVD (digital video discs), video games, and S-VHS VCR (video cassette recorder) tapes than the normal antenna picture connections.

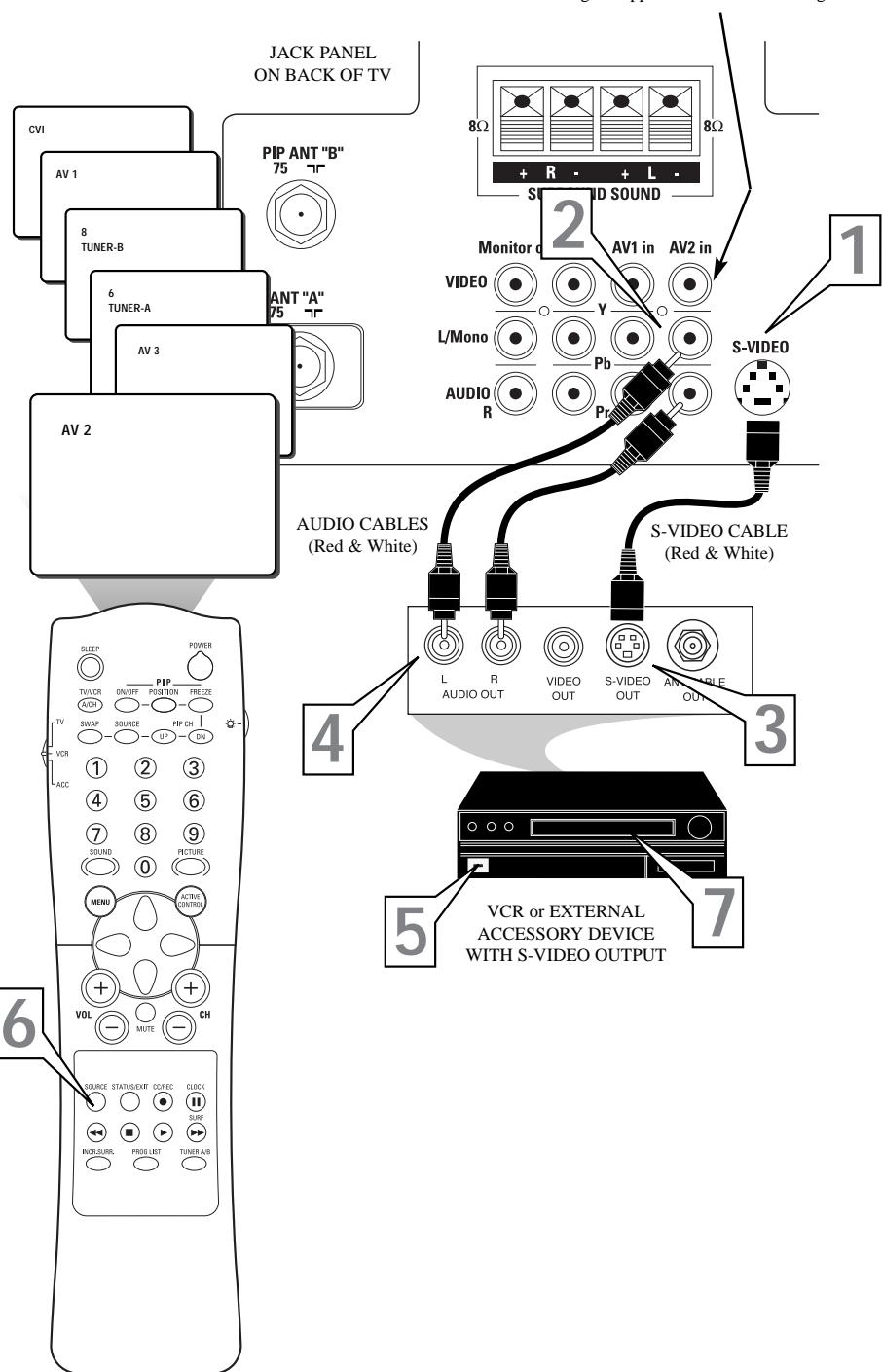
NOTE: The accessory device must have an S-VIDEO OUT(put) jack in order for you to complete the connection on this page.

- 1** Connect the S-VIDEO CABLE to the S-VIDEO input jack on the rear of the television.
- 2** Connect the AUDIO (red and white) cables to the AUDIO AV 2 in jacks on the rear of the TV.
- 3** Connect the S-VIDEO CABLE to the S-VIDEO output jack on the accessory device.
- 4** Connect the red and white AUDIO cables to the AUDIO (left and right) output jacks on the rear of the accessory device.
- 5** Turn the VCR, DVD or other accessory device ON.
- 6** Press the SOURCE button on the remote control to select the AV 2 channel. AV 2 will appear in the upper left corner on the TV screen.
- 7** With the VCR (or accessory device) ON and a prerecorded tape inserted, press the PLAY button to view the tape on the television.

CHECK IT OUT

The S-Video jack and the AV 2 jacks work together. When a device is connected to the S-Video jack, do not connect a signal to the AV 2 in Video jack. This could cause an over-lapping of two video images on the TV screen.

When using the S-Video Input, do not connect an video signal to the AV 2 in Video Jack. This could cause a ghost image to appear over the S-Video signal.





USING THE MONITOR OUTPUT JACKS

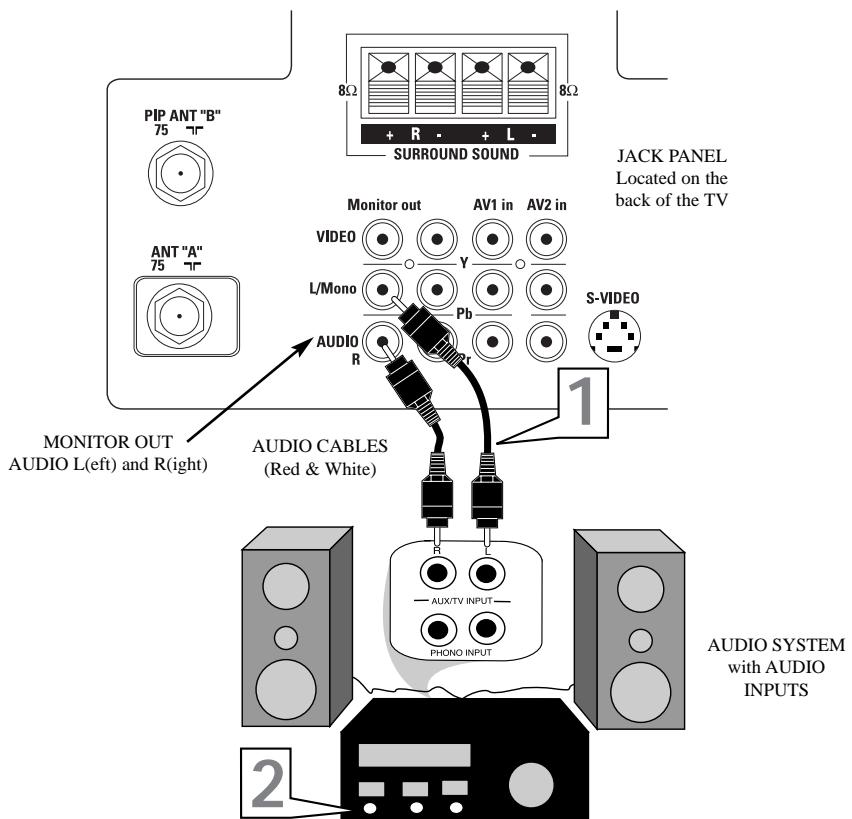
The Audio/Video (Monitor) Output jacks are great for recording with a VCR or used to connect an external audio system for better sound reproduction.

For Audio System Connection:

- 1 Connect one end of the R(ight) and L(eft) AUDIO (Monitor Out) jacks on the TV to the R and L audio input jacks on your amplifier or sound system. Set the audio system's volume to a normal listening level.

NOTE: Refer to page 22 to set the TV's Audio Out Control to VARIABLE if you want to control the volume of the audio system with the TV remote control. (Set the control to FIXED if you want to control the volume from the audio system.)

- 2 Turn the TV and audio system ON. You can now adjust the sound level coming from the audio system with the VOLUME (+) or (-) button on the TV or remote control.



For Second VCR Connection:

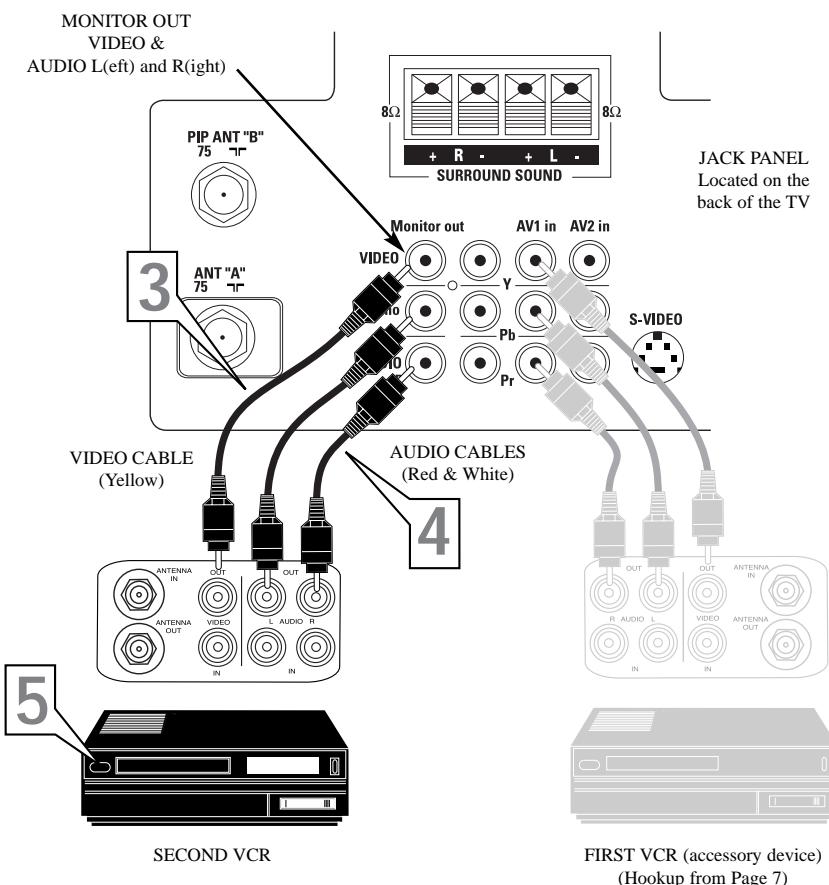
NOTE: Refer to page 7 for the proper hookup of the first VCR. Follow the instructions on how to tune to the AV 1 channel to view a pre-recorded tape.

The following steps allow you to connect a second VCR to record the program while you're watching it.

- 3 Connect one end of the yellow Video Cable to the Monitor Out VIDEO plug. Connect the other end to the VIDEO IN plug on the second VCR.

- 4 Connect one end of the red and white Audio cable from the Monitor Out AUDIO L and R plugs on the TV to the AUDIO IN plugs on the VCR.

- 5 Turn the Second VCR ON, insert a black VHS tape and it's ready to record what's being viewed on the TV screen.



CONNECTING EXTERNAL SPEAKERS TO THE TELEVISION

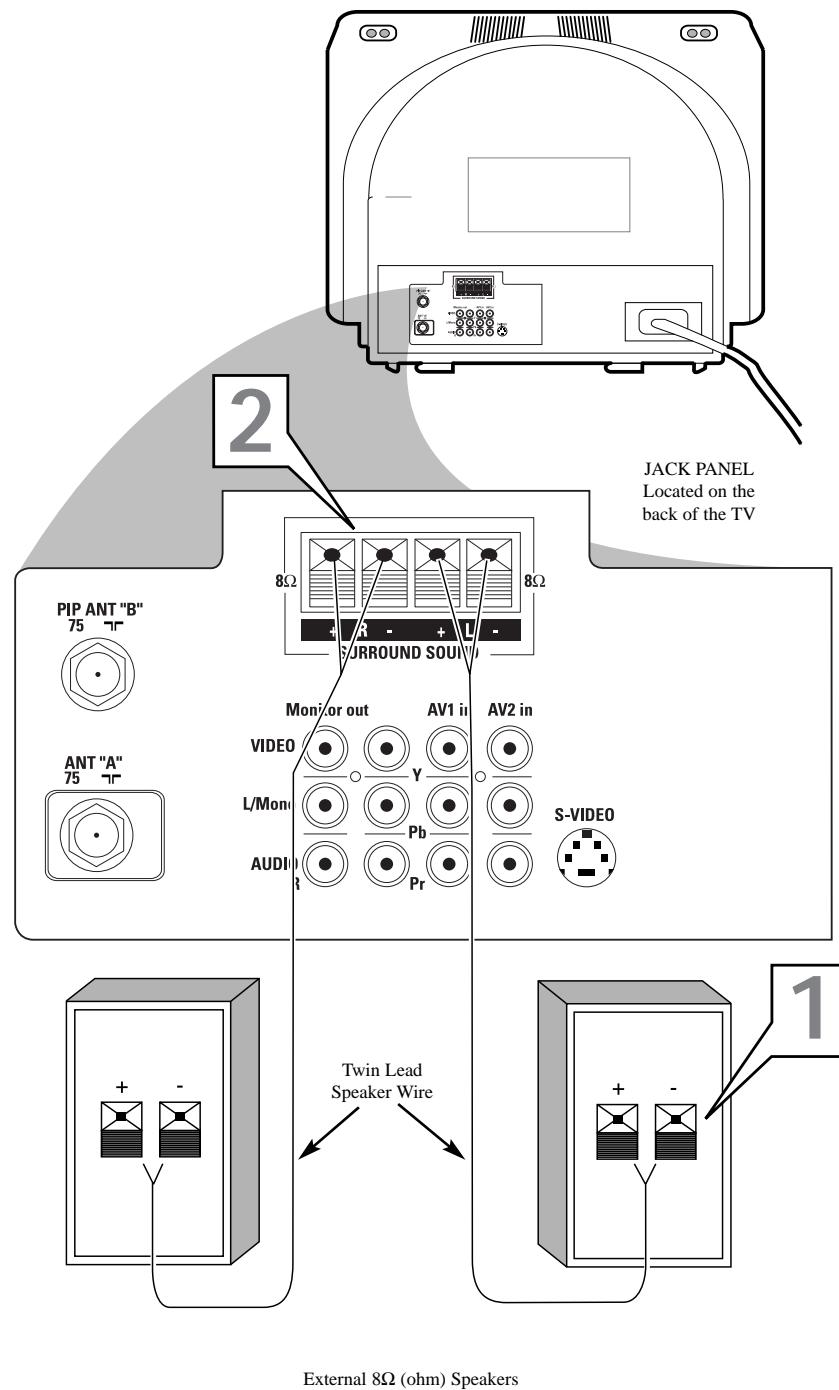


This television is equipped with External Speaker Jacks. External Speakers can be used for rear speakers or to widen the stereo coming from the television.

For this connection a set of right and left external speakers (not supplied with the television) along with two lengths of twin lead speaker wire will be needed.

- 1** Connect one end of both twin lead speaker wires to each of the external speakers (right and left) being used.
- 2** Connect the other ends of the twin lead speaker wire to the External Speaker, right and left, 8Ω speaker connectors. (Be sure that the connection is properly connected + to + and – to – from the speakers to the television jacks.)

At this point, the television's sound should be able to be heard through the external speakers. If no sound is being heard through these speakers, please check the connection or repeat the connection sequence.





ADJUSTING THE PICTURE CONTROLS

To adjust your TV picture controls, select a channel and follow these steps.

- 1 Press the **MENU** button on the remote control to show the onscreen menu. **PICTURE** will be highlighted.
- 2 Press the **CURSOR RIGHT** and the menu will shift to the left. **BRIGHTNESS** will be highlighted and an adjustment bar will be shown to the right.
- 3 Use the **CURSOR LEFT or RIGHT** to adjust the **BRIGHTNESS** level of the picture.
- 4 After adjusting the **BRIGHTNESS** control, press the **CURSOR DOWN** to select another picture adjustment: **COLOR**, **PICTURE**, **SHARPNESS**, **TINT**, OR **COLOR TEMP**. Press the **CURSOR LEFT or RIGHT** to adjust the selected control.
- 5 Press the **STATUS/EXIT** button to remove the menu from the screen.

HELPFUL HINT

Remember, when the bar scale is centered , the control settings are at normal, mid-range levels. Picture adjustments are described here.

NOTE: The **SHARPNESS** and **TINT** Controls will not be available for adjustments when tuned to the CVI Inputs (CVI Channel).

BRIGHTNESS – adds or subtracts light from the darkest part of the picture.

COLOR – adds or eliminates color.

PICTURE – improves the detail of the lightest parts of the picture.

SHARPNESS – improves the detail in the picture.

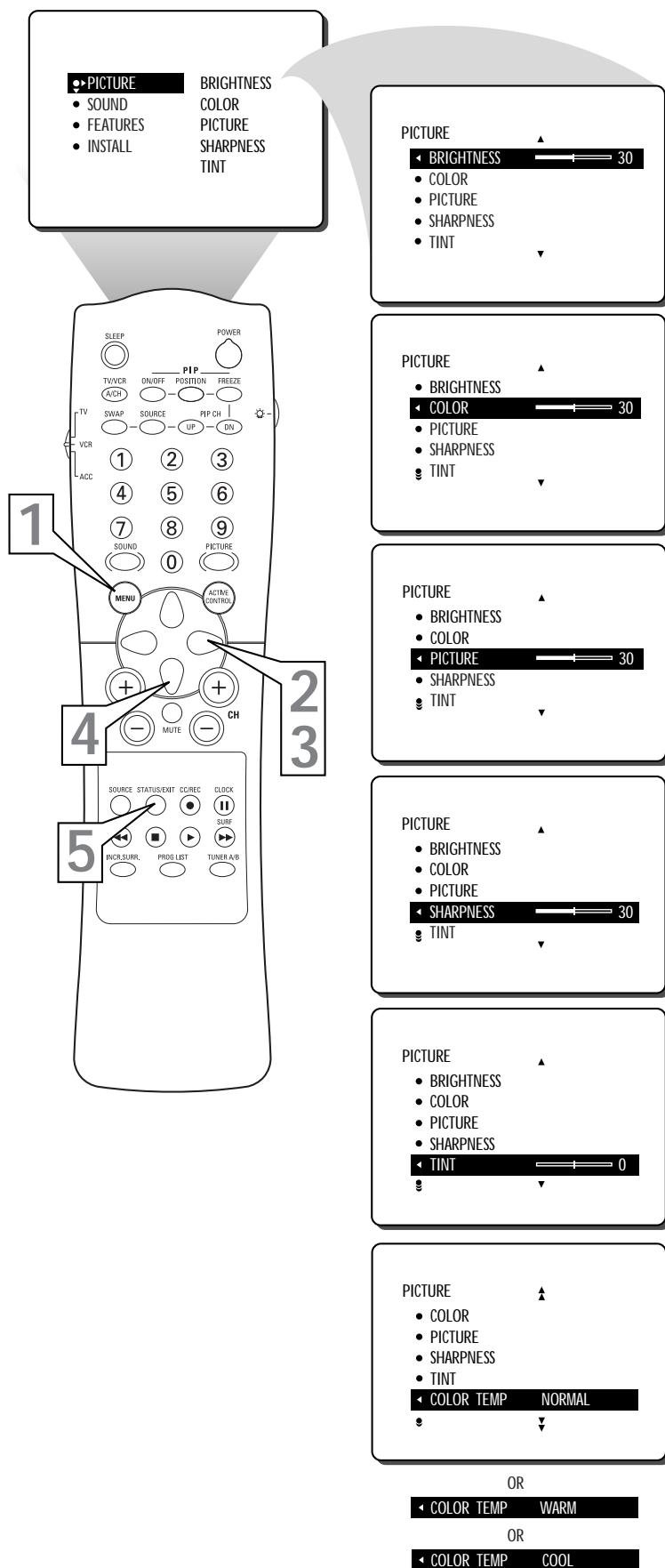
TINT – adjusts the picture to obtain natural skin tones.

COLOR TEMP offers **NORMAL**, **COOL**, or **WARM** picture preferences.

NORMAL – keeps whites, white.

COOL – makes whites, bluish.

WARM – makes whites, reddish.

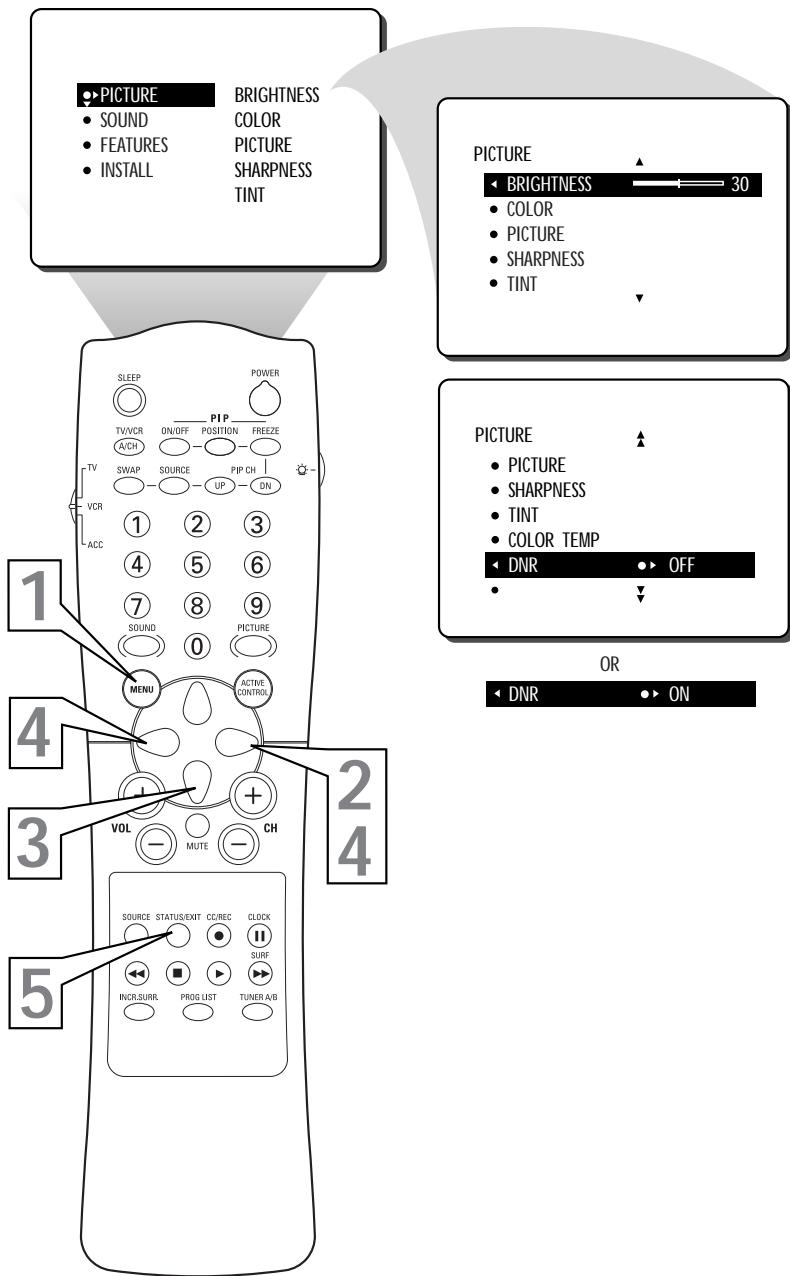


HOW TO USE THE DNR (DYNAMIC Noise REDUCTION) CONTROL



Due to many reasons, such as poor cable reception, the picture can sometimes appear slightly "speckled" (an indication of signal noise in the picture). The DNR (Dynamic Noise Reduction) control can help eliminate this type of interference and improve the quality of the picture.

- 1** Press the **MENU** button on the remote to show the onscreen menu. **PICTURE** will be highlighted.
- 2** Press the **CURSOR RIGHT** and the menu will shift to the left. **BRIGHTNESS** will be highlighted and an adjustment bar will be shown to the right.
- 3** Press the **CURSOR DOWN** repeatedly until the DNR control is highlighted.
- 4** Press the **CURSOR RIGHT or LEFT** to turn the control ON or OFF.
- 5** Press the **STATUS/EXIT** button to remove the menu from the screen.

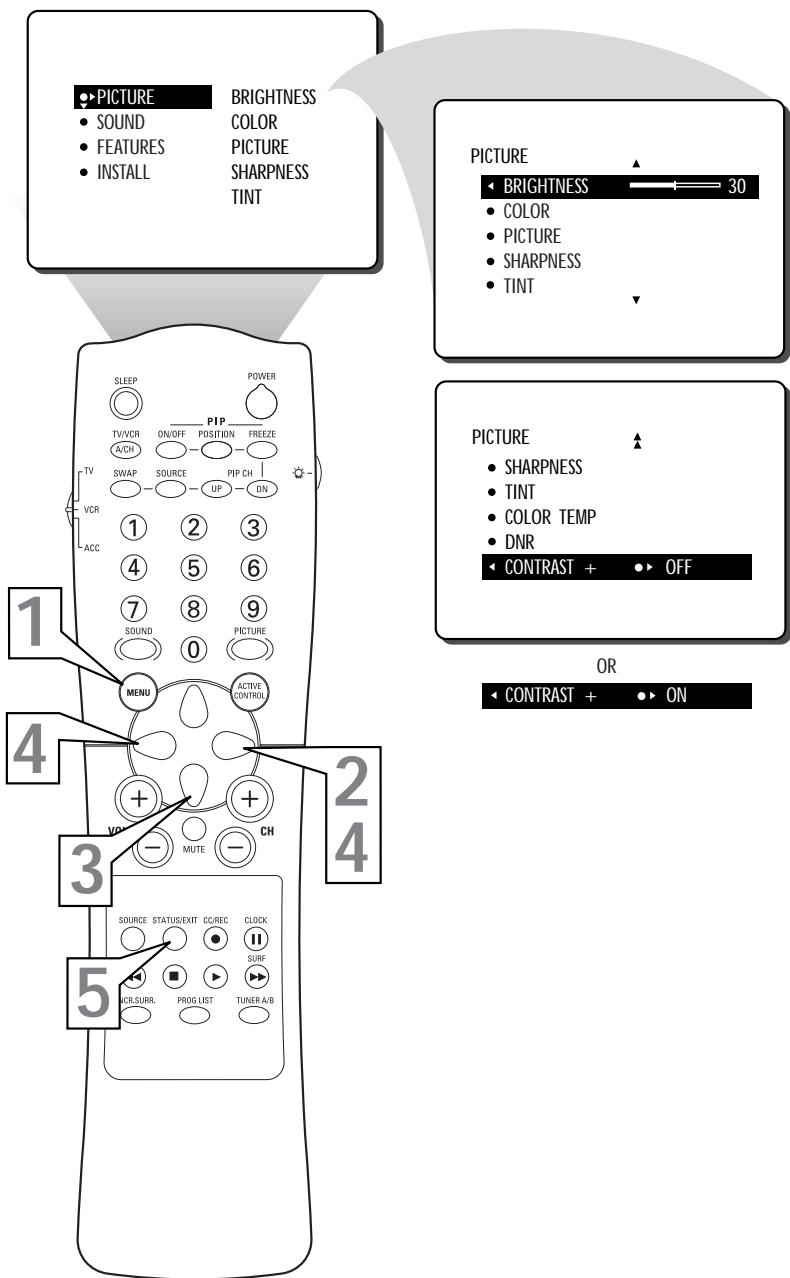




HOW TO USE THE CONTRAST + CONTROL

The Contrast + (Black Stretch) control helps to "sharpen" the picture quality. The black portions of the picture become richer in darkness and the whites become brighter.

- 1** Press the **MENU** button on the remote to show the onscreen menu. **PICTURE** will be highlighted.
- 2** Press the **CURSOR RIGHT** and the menu will shift to the left. **BRIGHTNESS** will be highlighted and an adjustment bar will be shown to the right.
- 3** Press the **CURSOR DOWN** repeatedly until the **CONTRAST +** control is highlighted.
- 4** Press the **CURSOR RIGHT or LEFT** to turn the control ON or OFF.
- 5** Press the **STATUS/EXIT** button to remove the menu from the screen.

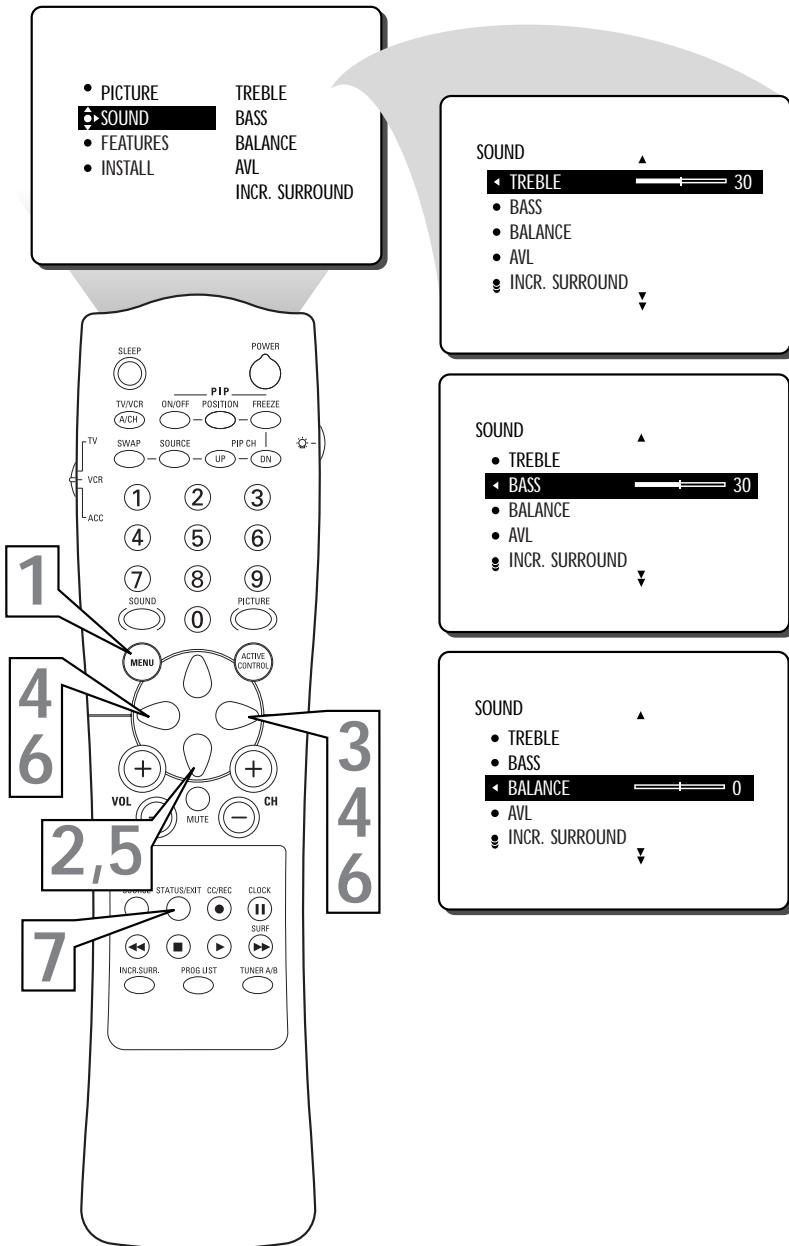


ADJUSTING THE TREBLE, BASS, AND BALANCE CONTROLS



Besides the normal volume level control, your TV also has individual sound-adjustment controls. The **TREBLE** (high frequency), **BASS** (low frequency), and **Speaker BALANCE** may all be used to adjust the sound playback of TV programs.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** once to highlight **SOUND**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left. **TREBLE** will be highlighted and an adjustment bar will be shown to the right.
- 4** Use the **CURSOR RIGHT or LEFT** to adjust the **TREBLE** (high frequency) level of the television's sound.
- 5** After adjusting the **TREBLE** control, press the **CURSOR DOWN** to select another sound adjustment: **BASS** or **BALANCE**.
- 6** Press the **CURSOR RIGHT or LEFT** to adjust the selected control.
- 7** Press the **STATUS/EXIT** button to remove the menu from the screen.



HELPFUL HINT

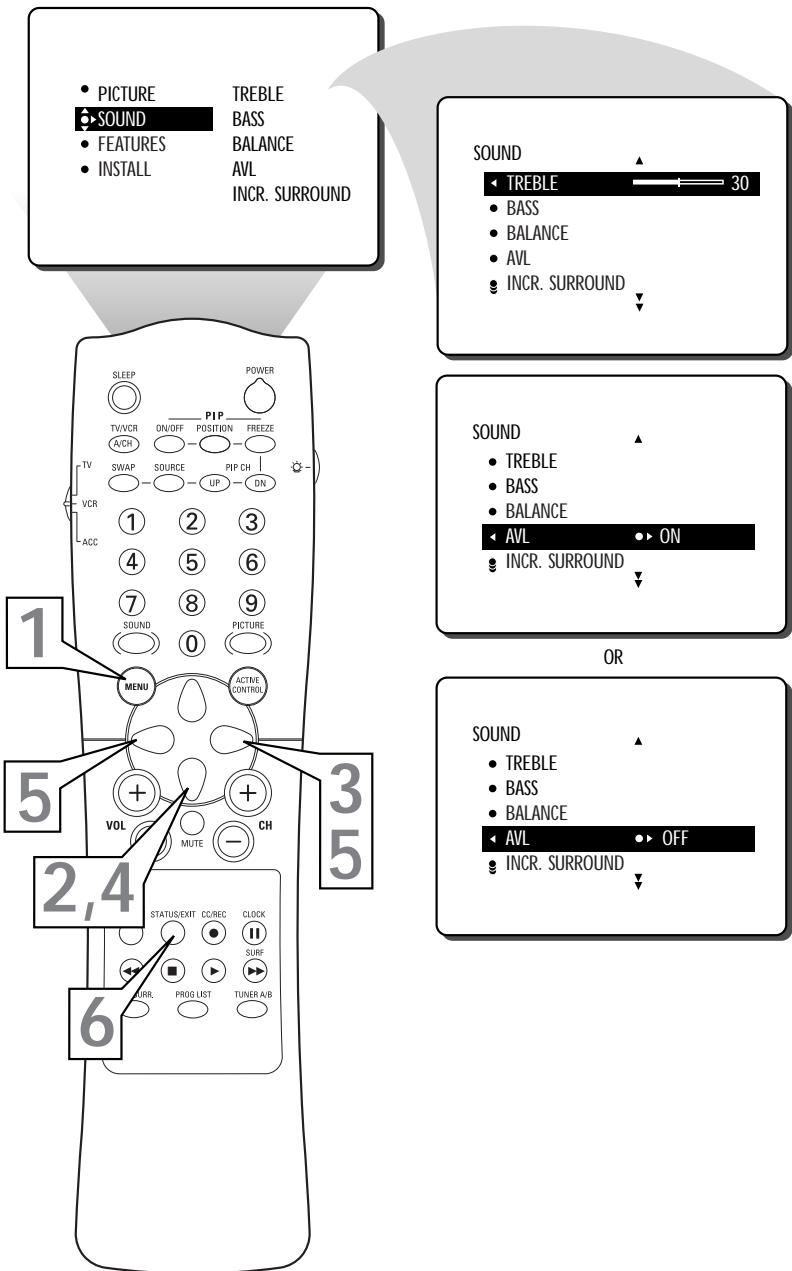
Remember, when the bar scale is centered, speaker **BALANCE** is centered between the TV's left and right side speakers.



HOW TO USE THE AVL CONTROL

In most cases, the volume levels coming from broadcast programming or commercials are never the same. With the AVL (Audio Volume Leveler) control turned ON, you can have the TV level out sound that is being heard. This makes for a more consistent sound by reducing the peaks and valleys that occur during program changes or commercial breaks. To turn the AVL ON, follow these steps.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** once to highlight **SOUND**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left. **TREBLE** will be highlighted and an adjustment bar will be shown to the right.
- 4** Press the **CURSOR DOWN** repeatedly until **AVL** is highlighted.
- 5** Press the **CURSOR RIGHT** or **LEFT** to toggle **AVL** ON or OFF.
- 6** Press the **STATUS/EXIT** button to remove the menu from the screen.

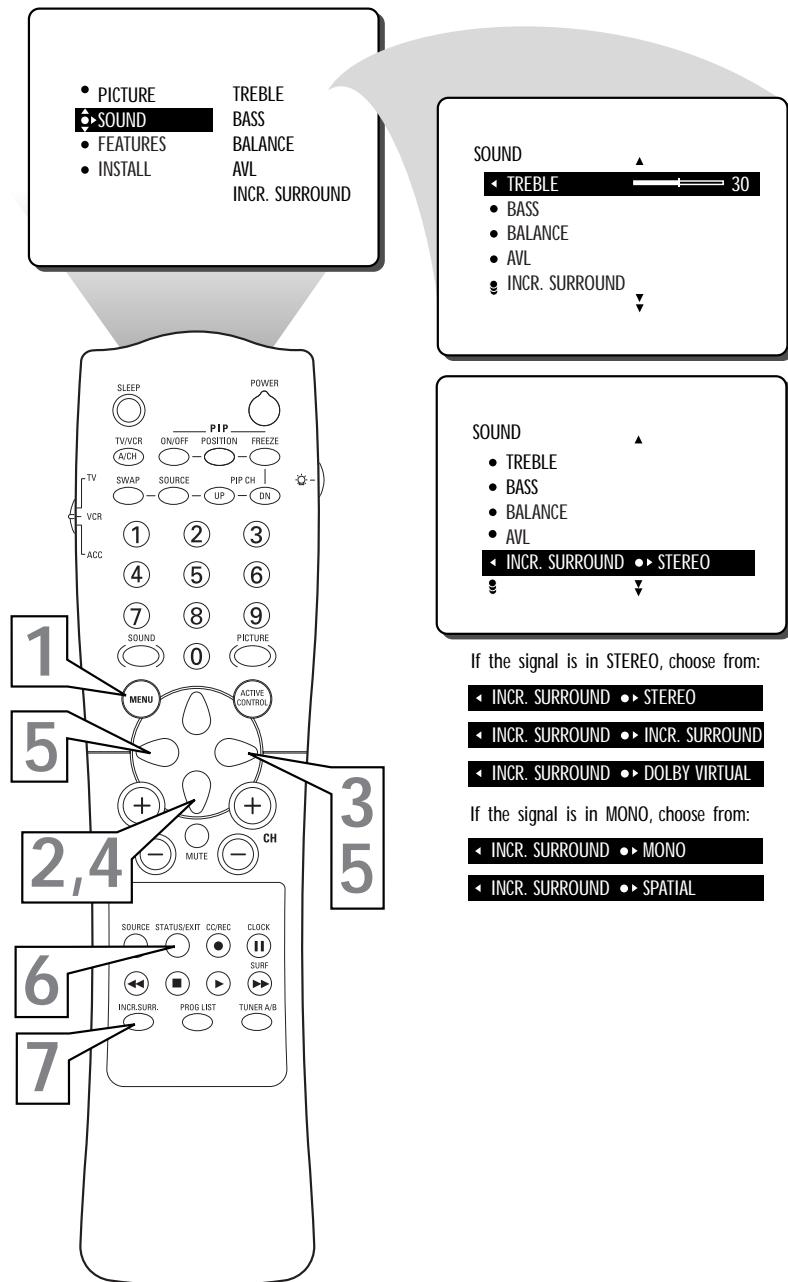


HOW TO USE THE INCREDIBLE SURROUND CONTROL



The Incredible Surround feature adds greater depth and dimension to both monaural (MONO) and stereo TV sound. With the control set to INCR. SURROUND (Incredible Surround), the TV's speakers can add even wider sound separation to normal broadcasts.

- 1 Press the **MENU** button on the remote control to show the onscreen menu.
- 2 Press the **CURSOR DOWN** once to highlight **SOUND**.
- 3 Press the **CURSOR RIGHT** and the menu will shift to the left. **TREBLE** will be highlighted and an adjustment bar will be shown to the right.
- 4 Press the **CURSOR DOWN** repeatedly until **INCR. SURROUND** is highlighted. (Incredible Surround)
- 5 Press the **CURSOR RIGHT** or **LEFT** to toggle the **INCR. SURROUND** control settings.
- 6 Press the **STATUS/EXIT** button to remove the menu from the screen.
- 7 You can also change the **INCR. SURROUND** onscreen menu control settings by **pressing the INCR. SURROUND button** on the remote control.



HELPFUL HINT

SPATIAL – widens the sound, simulating a broader, fuller sound.

INCR. SURROUND – widens the sound, simulating a broader, fuller sound.

DOLBY* VIRTUAL (with Virtual Dolby Surround signals) simulates the surround-sound experience from two speakers using Dolby Pro Logic* providing the listener with the sensation of being surrounded by additional speakers.

*Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.



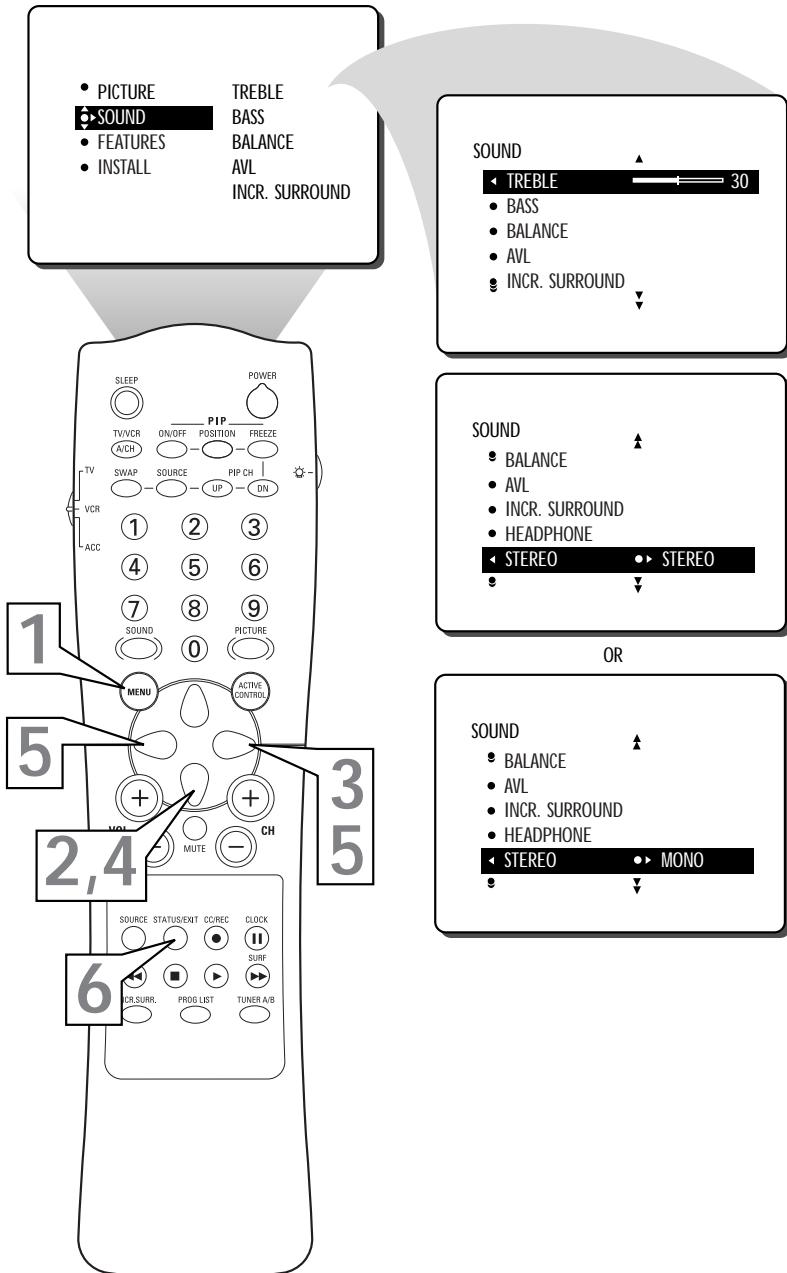
HOW TO SET THE STEREO CONTROL

You can receive broadcast stereo TV programs. The TV has both an amplifier and twin speakers through which the stereo sound can be heard.

- 1** Press the MENU button on the remote control to show the onscreen menu.
- 2** Press the CURSOR DOWN once to highlight SOUND.
- 3** Press the CURSOR RIGHT and the menu will shift to the left. TREBLE will be highlighted and an adjustment bar will be shown to the right.
- 4** Press the CURSOR DOWN repeatedly until STEREO is highlighted.
- 5** Press the CURSOR RIGHT or LEFT to select STEREO or MONO.
- 6** Press the STATUS/EXIT button to remove the menu from the screen.

HELPFUL HINT

Remember, if stereo is not present on a selected show and the TV is placed in the STEREO mode, the sound coming from the set will remain monaural.



HOW TO SET THE SECONDARY AUDIO PROGRAM (SAP) CONTROL

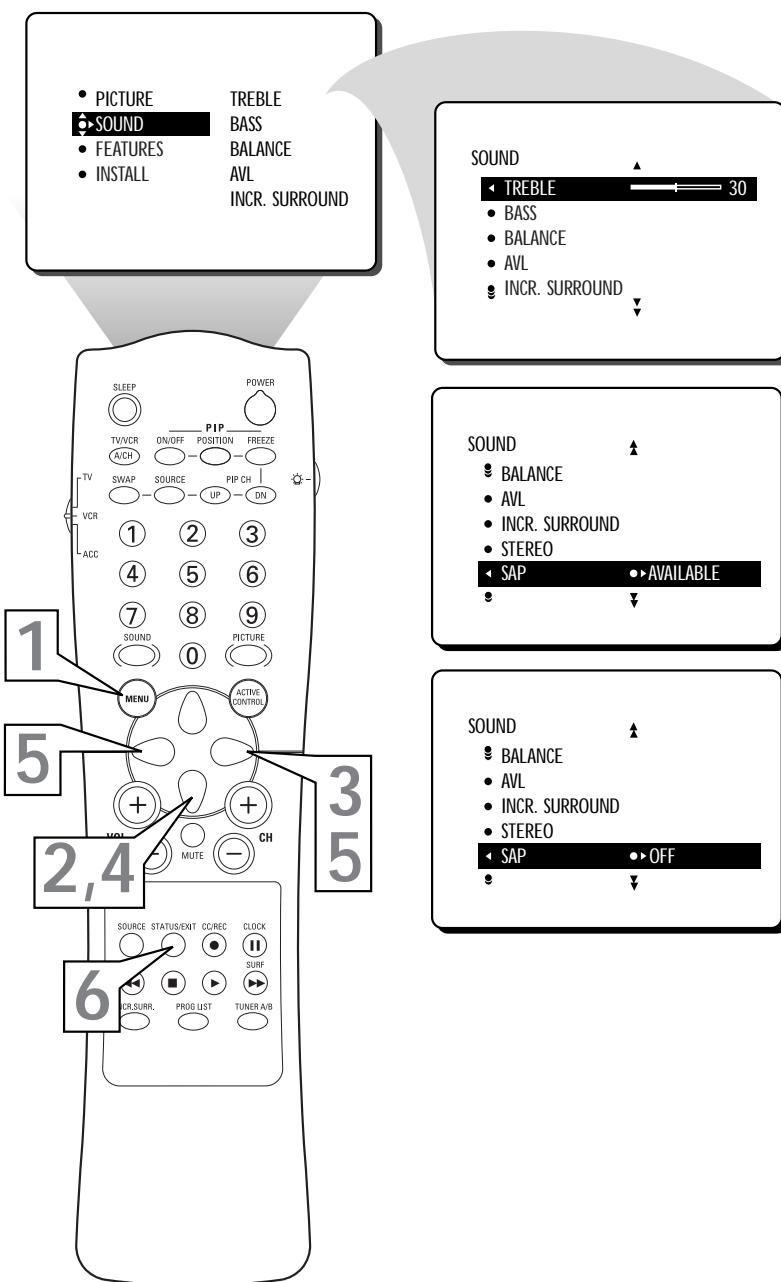


An SAP is an additional part of the stereo broadcast system. Sent as a third audio channel, an SAP can be heard apart from the current TV program sound. TV stations are free to use SAP for any number of purposes.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** once to highlight **SOUND**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left. **TREBLE** will be highlighted and an adjustment bar will be shown to the right.
- 4** Press the **CURSOR DOWN** repeatedly until SAP is highlighted.
- 5** Press the **CURSOR RIGHT** or **LEFT** to turn the SAP control ON or OFF. "AVAILABLE" will appear in the control bar if SAP is available for that program.
- 6** Press the **STATUS/EXIT** button to remove the menu from the screen.

HELPFUL HINT

If an SAP signal is not present with a selected program, the SAP option cannot be selected. Also, if SAP is selected on a channel (with SAP) and you select another channel, when you return to the original channel, SAP will be OFF. You will have to reselect the SAP feature.





HOW TO USE THE AUDIO OUT CONTROL

If you have connected the TV's AUDIO OUTPUT jacks to the AUDIO INPUT jacks on a stereo receiver (see page 12 for connection instructions), set AUDIO OUT to either VARIABLE or FIXED to determine whether you adjust the volume at the stereo or at the TV. If you select VARIABLE, change the volume at the TV using the TV's remote control. If you select FIXED, adjust the volume at the stereo using the stereo's controls. To select FIXED or VARIABLE, follow these steps.

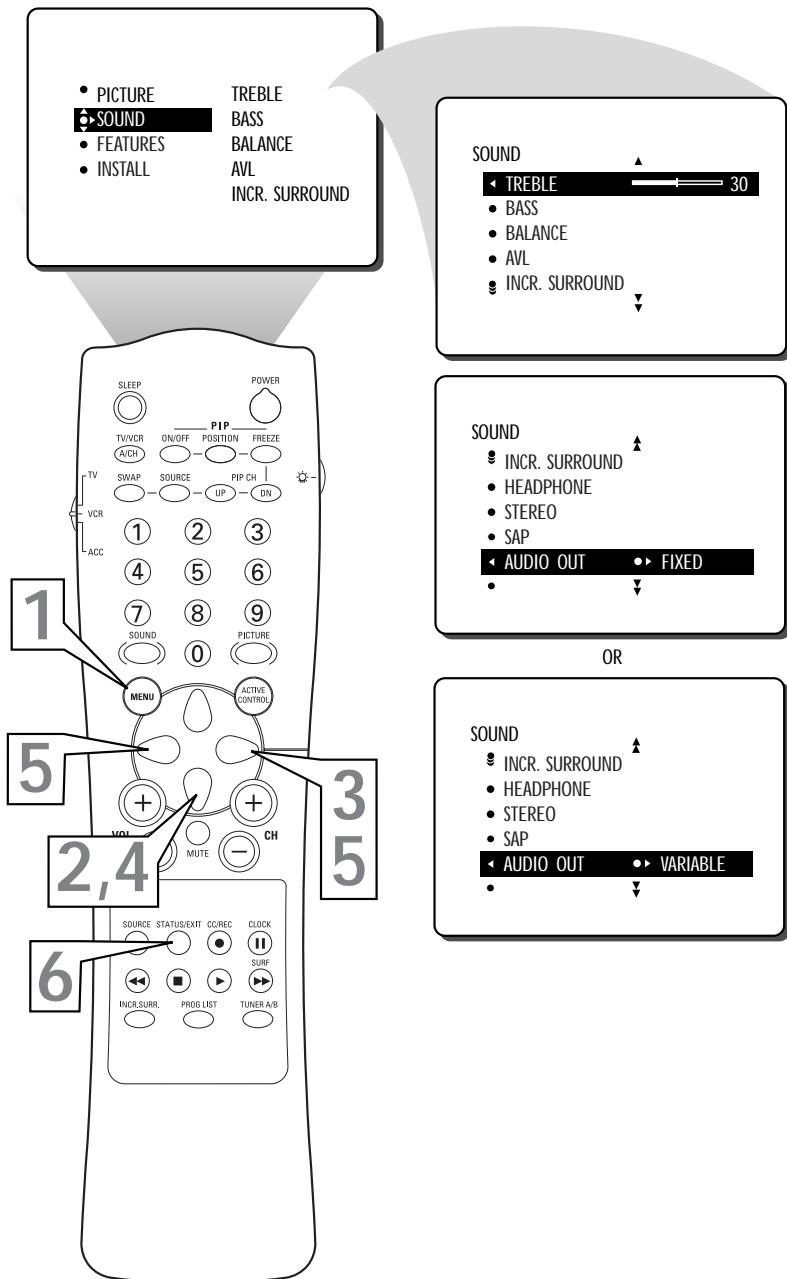
- 1** Press the MENU button on the remote control to show the onscreen menu.
- 2** Press the CURSOR DOWN once to highlight SOUND.
- 3** Press the CURSOR RIGHT and the menu will shift to the left. TREBLE will be highlighted and an adjustment bar will be shown to the right.
- 4** Press the CURSOR DOWN repeatedly until AUDIO OUT is highlighted.
- 5** Press the CURSOR RIGHT or LEFT to select FIXED or VARIABLE.
- 6** Press the STATUS/EXIT button to remove the menu from the screen.

HELPFUL HINT

FIXED – If FIXED is selected, the sound coming from the TV and being heard through an external audio system is not adjustable with the television's volume controls. The volume would have to be adjusted at the audio system.

VARIABLE – If VARIABLE is selected, the sound coming from the TV and being heard through an external audio system can be adjusted at the TV using the Volume + or – buttons on the television or remote control.

Remember, the connection instructions for an external audio system is located on page 12.



HOW TO TURN THE TV SPEAKERS ON OR OFF

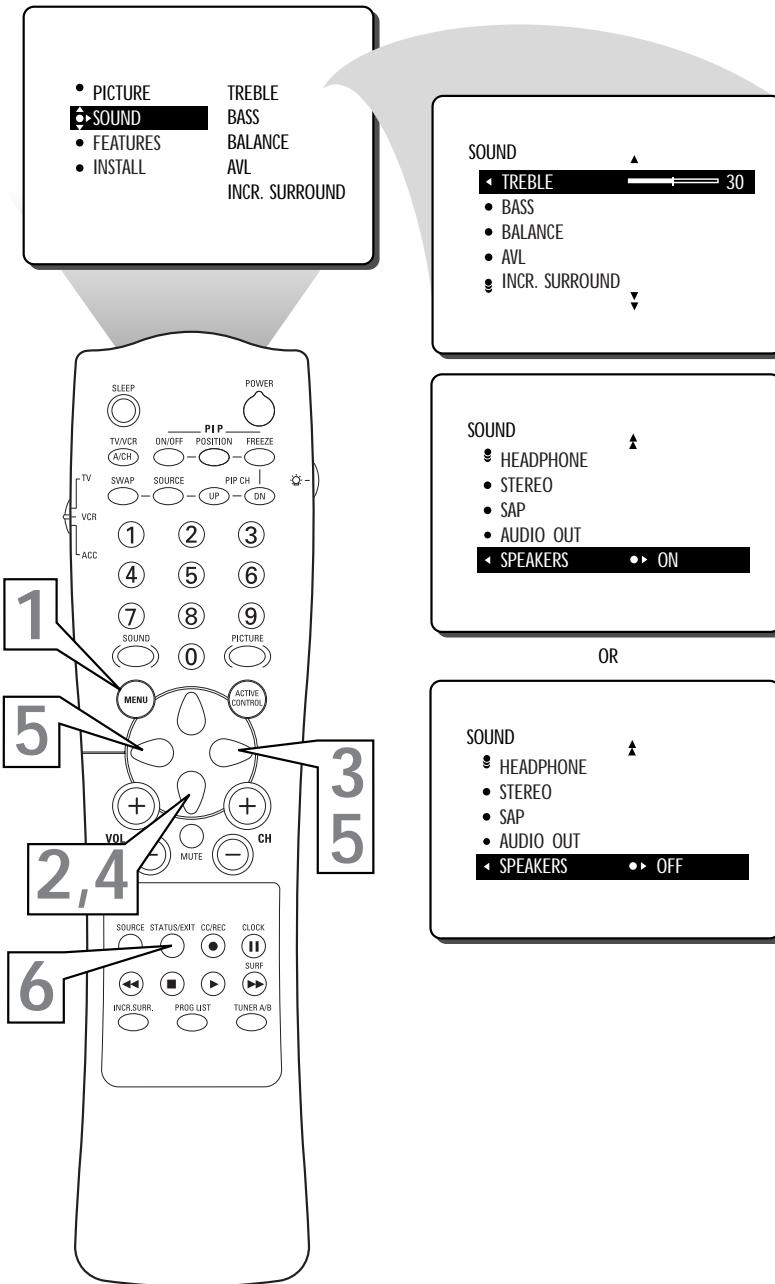


Using the TV's Audio (Monitor) Output jacks or the External Speaker connections, the TV speakers can be turned off allowing the television sound to be heard only from the external audio system or the external speakers. Please refer to page 12 for the proper connections needed to hookup an external audio system, or page 13 for the proper procedure to connect external speakers.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** once to highlight **SOUND**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left. **TREBLE** will be highlighted and an adjustment bar will be shown to the right.
- 4** Press the **CURSOR DOWN** repeatedly until **SPEAKERS** is highlighted.
- 5** Press the **CURSOR RIGHT** or **LEFT** to turn the television's speakers **ON** or **OFF**.
- 6** Press the **STATUS/EXIT** button to remove the menu from the screen.

HELPFUL HINT

Be sure to first refer to page 12 to connect an external audio system to the television's Monitor Output (audio) jacks. Or, refer to page 13 for the proper hookup of external speakers to the 8Ω speaker connections on the located on the back of the TV.





SETTING THE TV CLOCK USING THE TIMER CONTROL

Your television comes with an on-screen clock. During normal operation, the clock appears on the screen when the STATUS/EXIT button is pressed or if the TIMER DISPLAY control is turned ON.

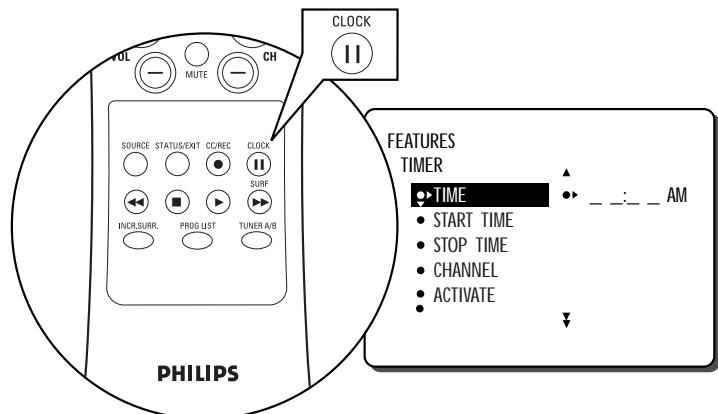
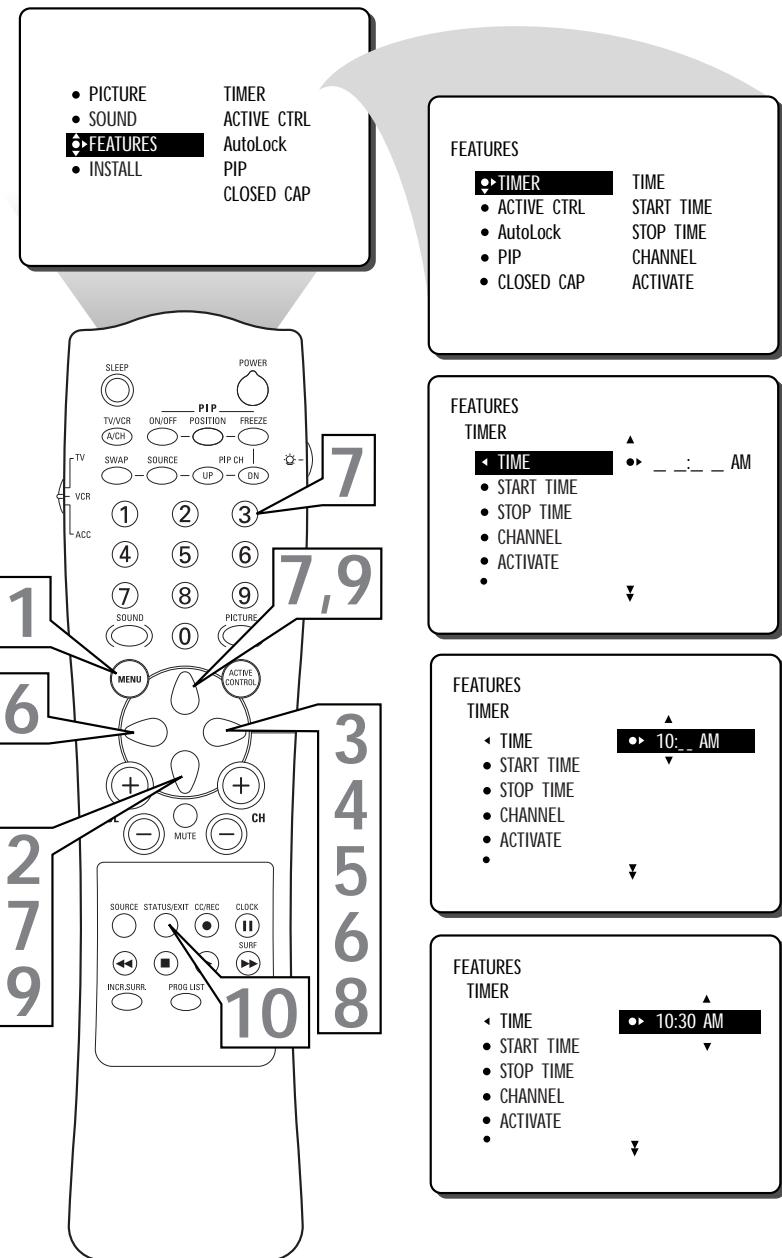
- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** once to highlight **FEATURES**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left. **TIMER** will be highlighted.
- 4** With **TIMER** selected, press the **CURSOR RIGHT** again to shift the display left and highlight the **TIME** control.
- 5** Press the **CURSOR RIGHT** again to highlight the time indicator area.
- 6** Press the **CURSOR LEFT** or **RIGHT** to select the position or digit you wish to enter.
- 7** Press the **CURSOR UP** or **DOWN** to select the digits for the time. Or press the **NUMBERED** buttons to enter the correct time.
- 8** Press the **CURSOR RIGHT** to move to the **AM** or **PM** position.
- 9** Press the **CURSOR UP** or **DOWN** to set **AM** or **PM**.
- 10** Press the **STATUS/EXIT** button to remove the menu from the screen.

NOTE: The **TIMER** Controls can also be accessed by **pressing the CLOCK button on the remote control**. See lower diagram on this page.

HELPFUL HINT

Remember, be sure to press **0** first and then the hour number for single-digit entries.

The TV's clock settings may be lost when the TV is unplugged (or when AC power to the set is interrupted).



SETTING THE TV TO TURN ITSELF ON USING THE START TIME CONTROL



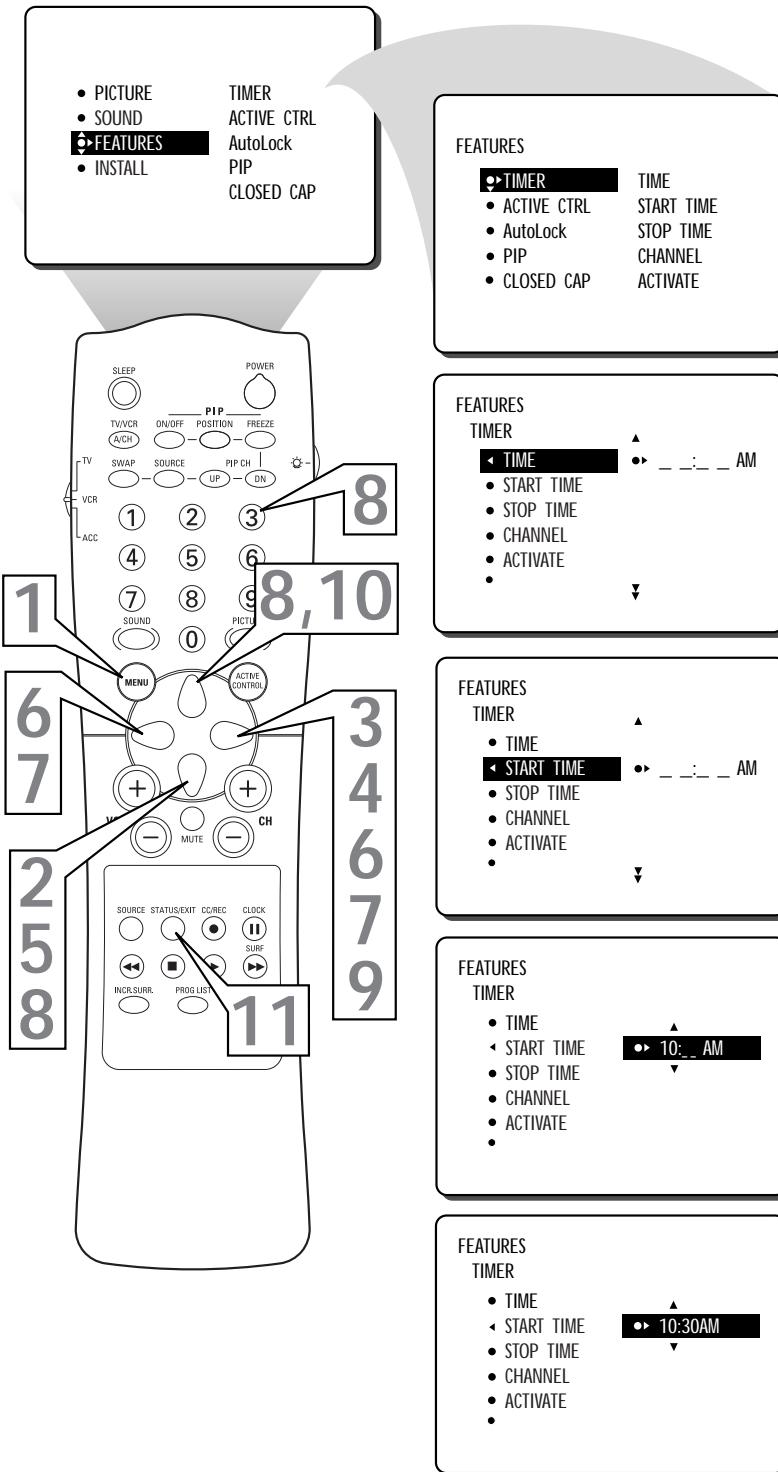
Just as you would an alarm clock, you can set the TV to turn itself ON once or at the same time every day. Follow these steps to set the Start Time.

- 1 Press the **MENU** button on the remote control to show the onscreen menu.
- 2 Press the **CURSOR DOWN** once to highlight **FEATURES**.
- 3 Press the **CURSOR RIGHT** and the menu will shift to the left. **TIMER** will be highlighted.
- 4 With **TIMER** selected, press the **CURSOR RIGHT** again to shift the display left.
- 5 Press the **CURSOR DOWN** to highlight the **START TIME** control.
- 6 Press the **CURSOR RIGHT** again to highlight the time indicator area.
- 7 Press the **CURSOR RIGHT** or **LEFT** to move among the positions where the time is input.
- 8 Press the **CURSOR UP** or **DOWN** to select the digits for the time. **Or press the NUMBERED buttons** to enter the time you want the television to turn itself on.
- 9 Press the **CURSOR RIGHT** to move to the AM or PM position.
- 10 Press the **CURSOR UP** or **DOWN** to set AM or PM.
- 11 Press the **STATUS/EXIT** button to remove the menu from the screen.

HELPFUL HINT

Remember, be sure to press *0* first and then the hour number for single-digit entries.

The **ACTIVATE** Control must be set to **ONCE** or **DAILY** for the television to shut itself off at the specified time. See page 28 for more details about the **ACTIVATE** Control.





SETTING THE TV TO TURN ITSELF OFF USING THE STOP TIME CONTROL

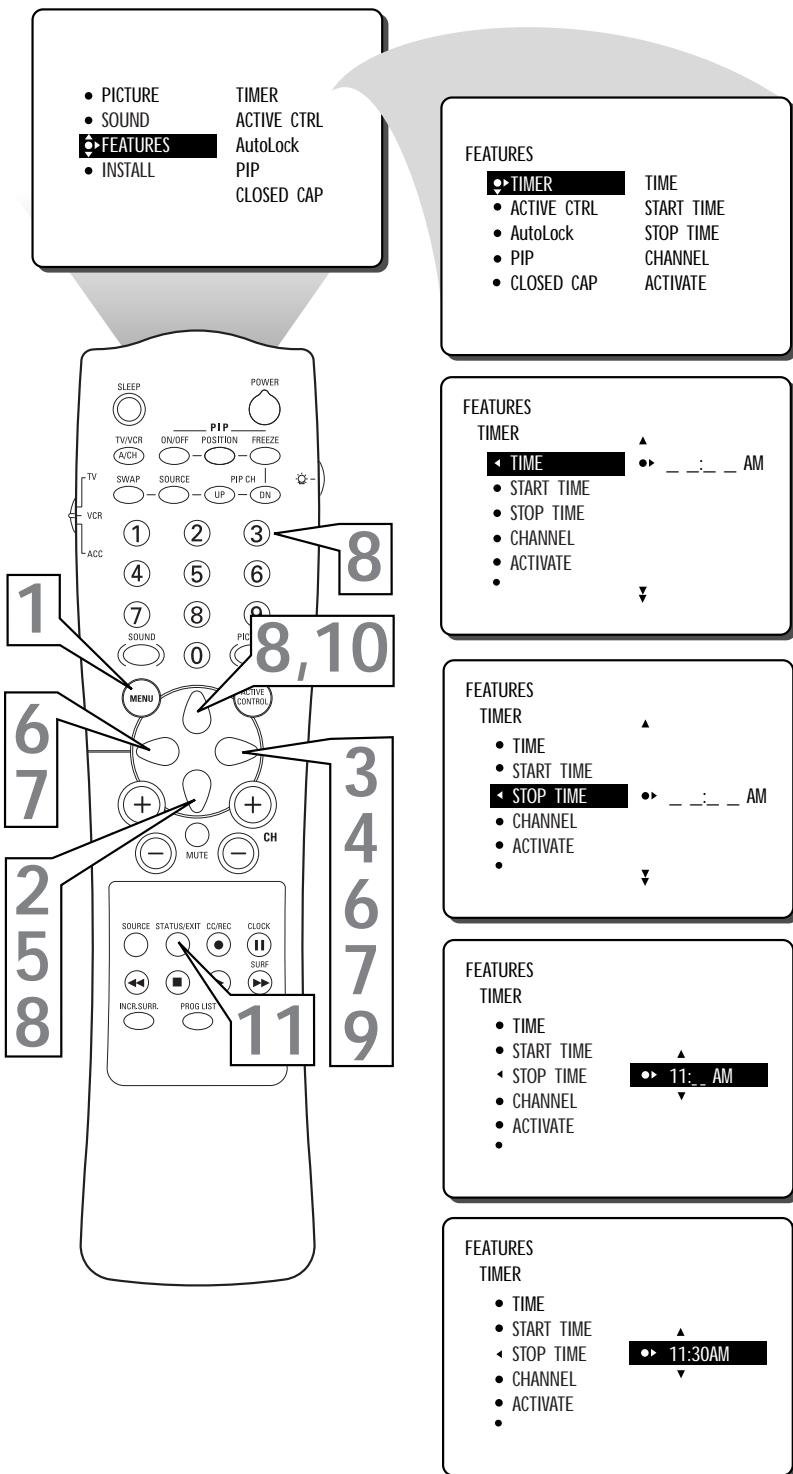
The following steps will guide you in setting the TV to turn itself OFF at a specific time.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** once to highlight **FEATURES**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left. **TIMER** will be highlighted.
- 4** With **TIMER** selected, press the **CURSOR RIGHT** again to shift the display left.
- 5** Press the **CURSOR DOWN** to highlight the **STOP TIME** control.
- 6** Press the **CURSOR RIGHT** again to highlight the time indicator area.
- 7** Press the **CURSOR RIGHT** or **LEFT** to move among the positions where the time is input.
- 8** Press the **CURSOR UP** or **DOWN** to select the digits for the time. **Or press the NUMBERED buttons** to enter the time you want the television to turn itself off.
- 9** Press the **CURSOR RIGHT** to move to the **AM** or **PM** position.
- 10** Press the **CURSOR UP** or **DOWN** to set **AM** or **PM**.
- 11** Press the **STATUS/EXIT** button to remove the menu from the screen.

HELPFUL HINT

Remember, be sure to press **0** first and then the hour number for single-digit entries.

The **ACTIVATE** Control must be set to **ONCE** or **DAILY** for the television to shut itself off at the specified time. See page 28 for more details about the **ACTIVATE** Control.

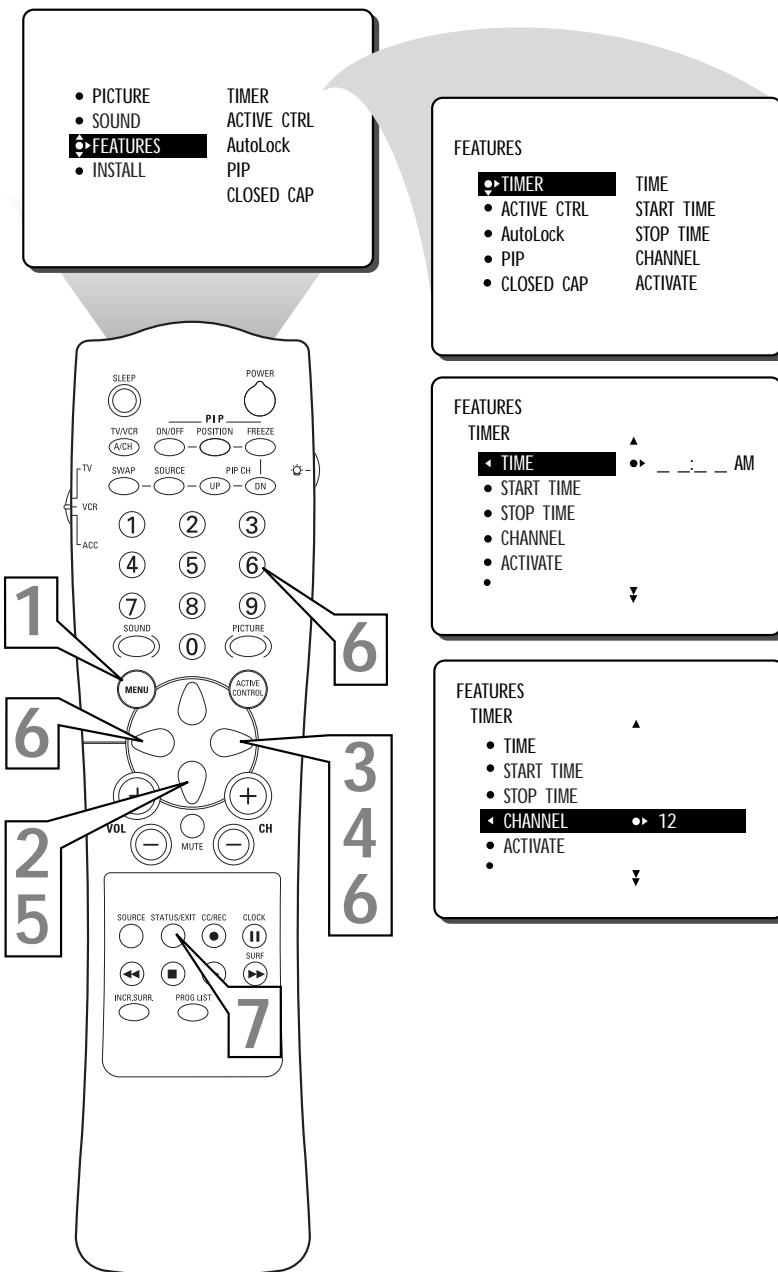
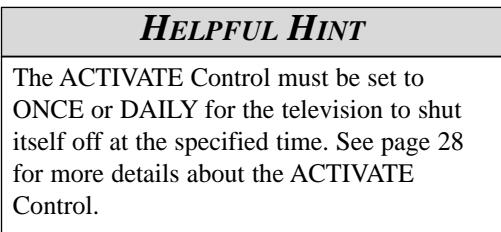


SETTING THE TV TO STARTUP ON A SPECIFIC CHANNEL USING THE CHANNEL CONTROL



You can select a specific channel that the television will tune to when the timer turns the set ON. Follow these steps to select the channel.

- 1 Press the **MENU** button on the remote control to show the onscreen menu.
- 2 Press the **CURSOR DOWN** once to highlight **FEATURES**.
- 3 Press the **CURSOR RIGHT** and the menu will shift to the left. **TIMER** will be highlighted.
- 4 With **TIMER** selected, press the **CURSOR RIGHT** again to shift the display left.
- 5 Press the **CURSOR DOWN** to highlight the **CHANNEL Control**.
- 6 Press the **NUMBERED buttons** to enter the desired start-up channel. **Or**, press the **CURSOR RIGHT** or **LEFT** repeatedly to enter the start-up channel you want.
- 7 Press the **STATUS/EXIT** button to remove the menu from the screen.





HOW TO ACTIVATE THE TIMER CONTROL USING THE ACTIVATE CONTROL

After you have set the Time, Start Time, Stop Time, and Start Channel, the timer must be set to come on ONCE or DAILY, or turned OFF through the ACTIVATE Control.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** once to highlight **FEATURES**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left. **TIMER** will be highlighted.
- 4** With **TIMER** selected, press the **CURSOR RIGHT** again to shift the display left.
- 5** Press the **CURSOR DOWN** to highlight the **ACTIVATE** Control.
- 6** Press the **CURSOR RIGHT** or **LEFT** repeatedly to select **ONCE**, **DAILY** or **OFF**.
- 7** Press the **STATUS/EXIT** button to remove the menu from the screen.

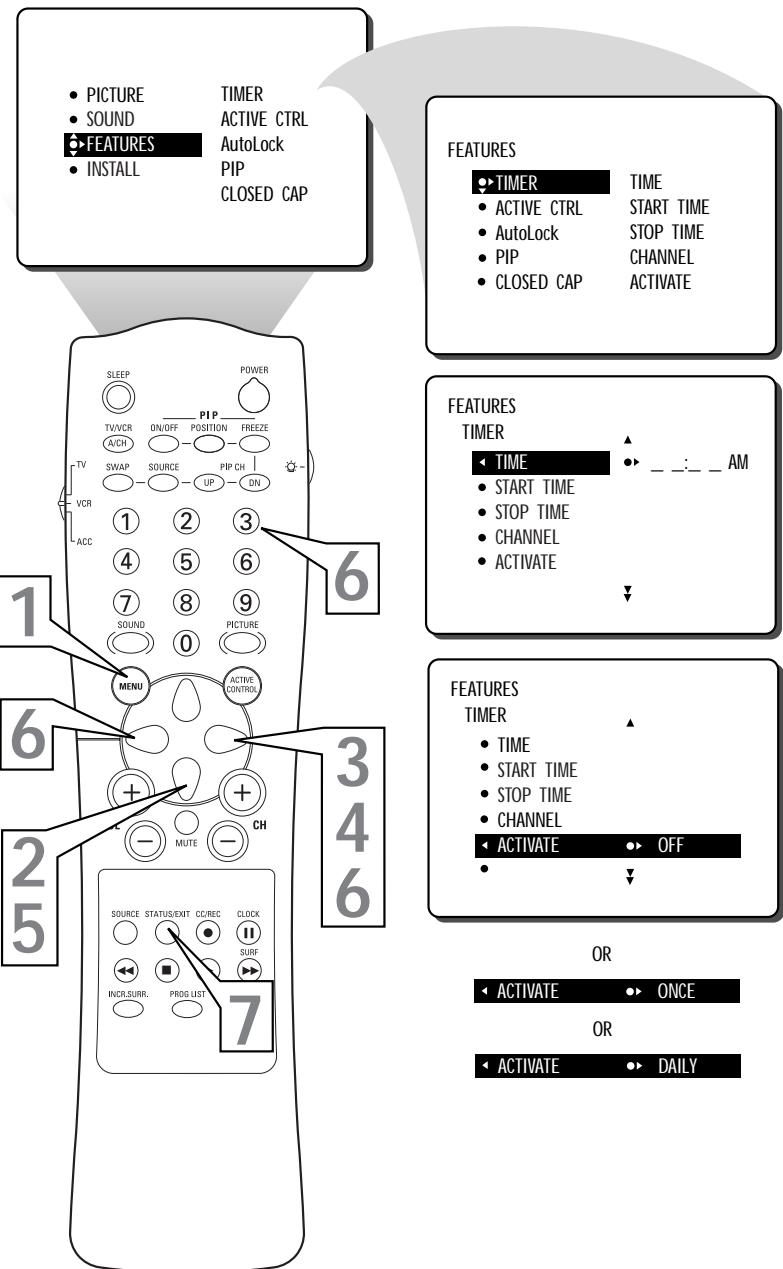
CHECK IT OUT

With the **ACTIVATE** Control set to **ONCE**, the **START TIME**, **STOP TIME**, and **START CHANNEL** Controls will only be activated one time.

With the **ACTIVATE** Control set to **DAILY**, the **START TIME**, **STOP TIME**, and **START CHANNEL** Controls will be activated every day of the week until it is turned **OFF** or set to **ONCE**.

HELPFUL HINT

Remember, before setting the **TIMER** controls, the TV's clock must be set to the correct time manually (see page 24) or by using the **AutoChron™** feature described on page 4 of the *Quick Use and Installation Guide*.



HOW TO VIEW THE TIME USING THE DISPLAY CONTROL

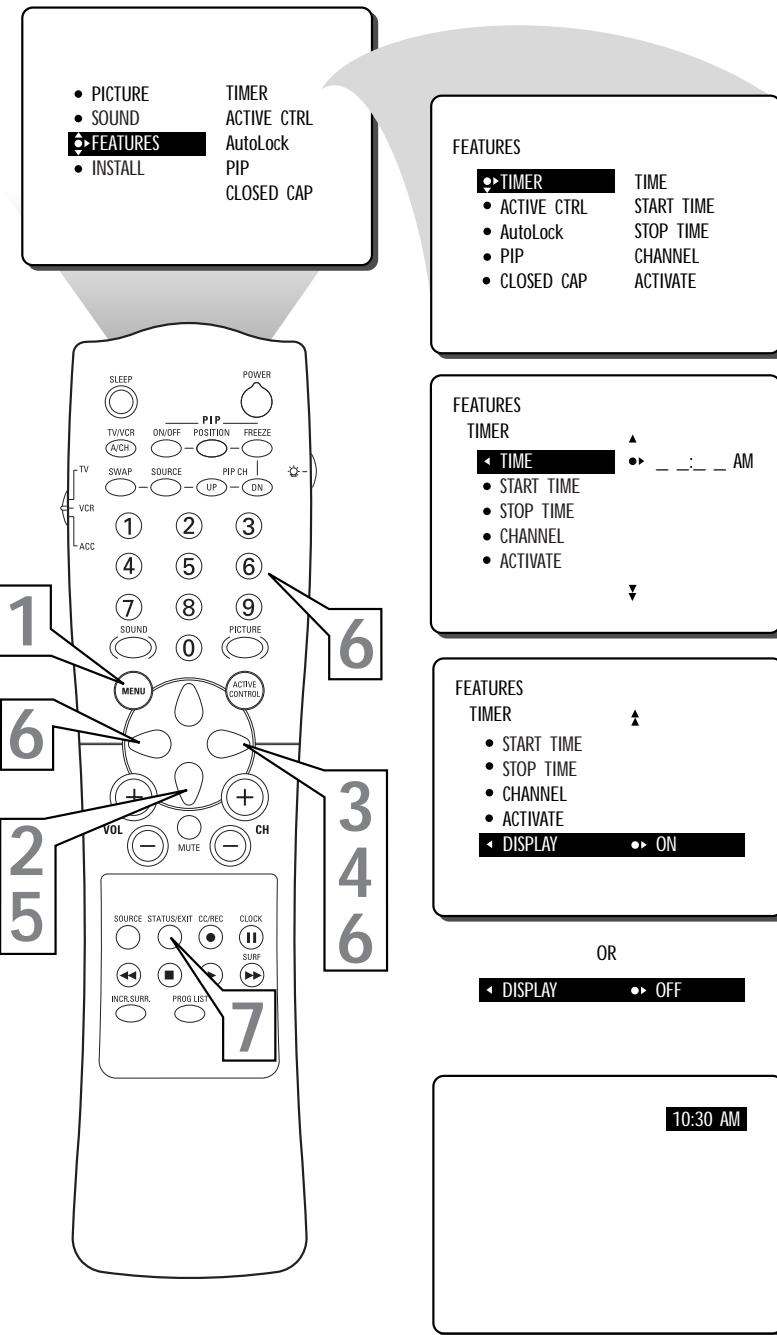


After the TV's clock has been set, you can use your TV as a clock. The TIMER DISPLAY control allows you to permanently display the time in the upper right corner of the screen.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** once to highlight **FEATURES**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left. **TIMER** will be highlighted.
- 4** With **TIMER** selected, press the **CURSOR RIGHT** again to shift the display left.
- 5** Press the **CURSOR DOWN** to highlight the **DISPLAY** Control.
- 6** Press the **CURSOR RIGHT** or **LEFT** repeatedly to select **ON** or **OFF**.
- 7** Press the **STATUS/EXIT** button to remove the menu from the screen.

CHECK IT OUT

If the **TIME** has been set and the **DISPLAY** Control set to **ON**, the current time will appear in the upper right corner of the TV screen while the TV is powered on.





HOW TO USE THE ACTIVE CONTROL

The Active Control monitors and adjusts incoming video signals to help provide the best picture quality.

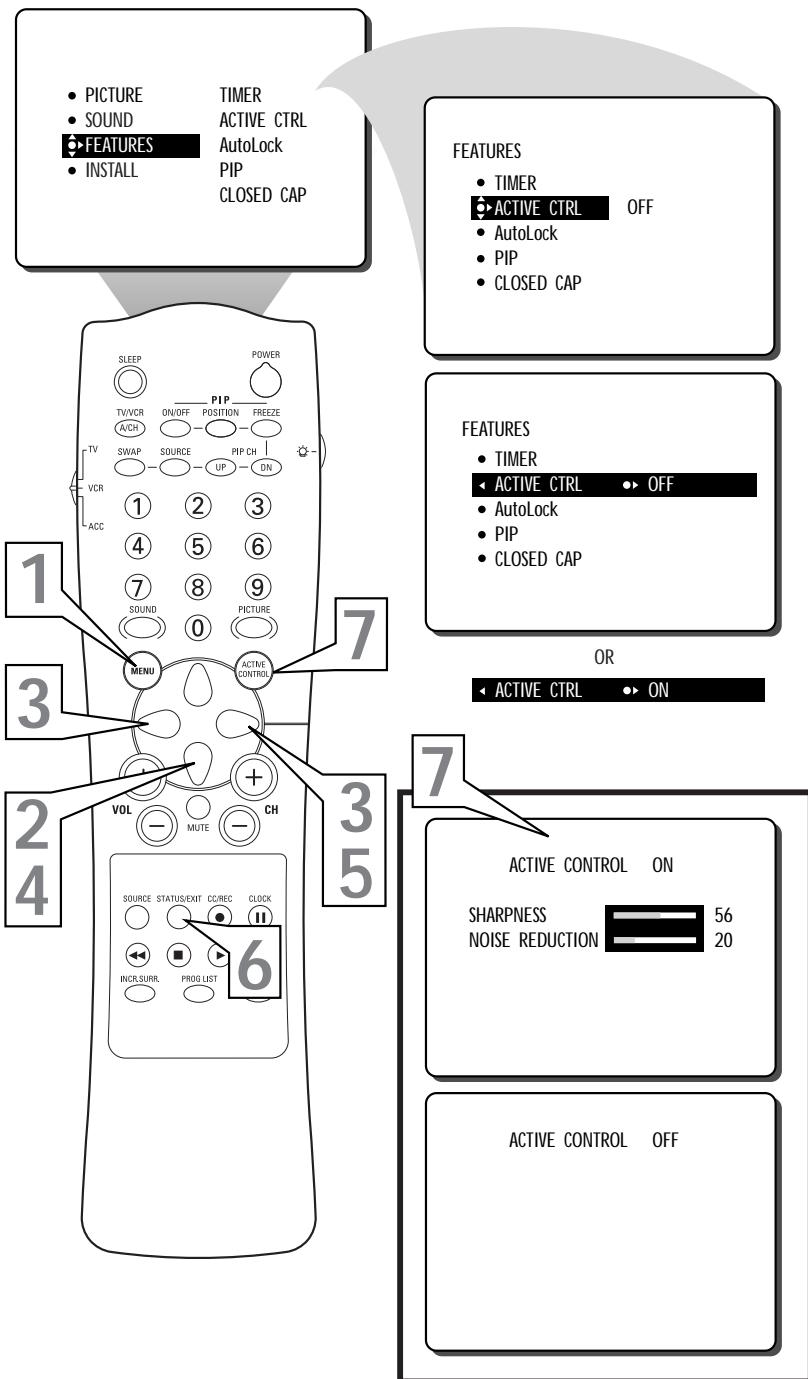
When you choose to turn the Active Control ON, the picture sharpness and noise reduction are controlled automatically. Active Control adjusts these picture settings continuously and automatically.

- 1** Press the **MENU** button on the remote control to show the on-screen menu.
- 2** Press the **CURSOR DOWN** twice to highlight **FEATURES**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left.
- 4** Press the **CURSOR DOWN** repeatedly until the **ACTIVE CTRL** (control) is highlighted.
- 5** Press the **CURSOR RIGHT** or **LEFT** repeatedly to toggle the **ACTIVE CONTROL** ON or OFF.
- 6** Press the **STATUS/EXIT** button to remove the menu from the screen.

- 7** You can also press the **ACTIVE CONTROL** button on the remote control to toggle the **ACTIVE CONTROL** ON or OFF.

CHECK IT OUT

Toggle the **ACTIVE CONTROL** ON with the remote control and a screen display will appear showing the Active Control in work. You will see the sharpness and noise reduction settings changing to provide the best possible picture quality.



UNDERSTANDING THE AUTOLOCK™ FEATURE



The AutoLock™ feature receives and processes data sent by broadcasters or other program providers that contain program content advisories. When programmed by the viewer, a TV with AutoLock™ can respond to the content advisories and block program content that may be found objectionable (such as offensive language, violence, sexual situations, etc.). This is a great feature to censor the type of programming children may watch.

In the AutoLock™ section, you'll learn how to block channels and programming that is not rated, is unrated, or has no rating. You will also find out how to turn these blocking features ON or OFF. Following are brief explanations of some terms and ratings related to the AutoLock™ feature.

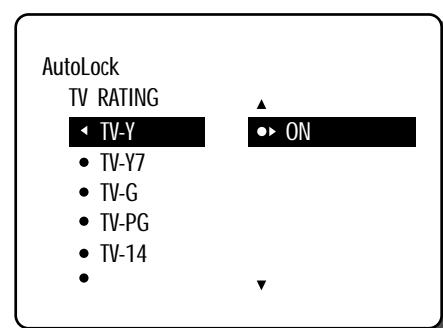
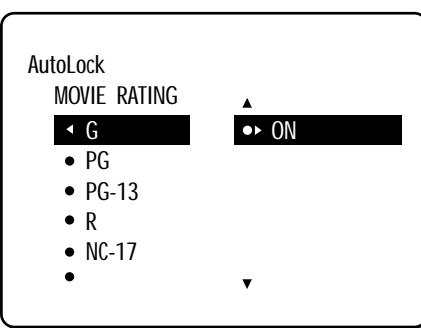
AutoLock™ offers various Blocking Options from which to choose:

BLOCKING: The BLOCKING control is what can be thought of as the "master switch" for AutoLock™. This control affects the settings you have chosen for blocking programs according to movie ratings or TV ratings, or for blocking programs that have no rating or are unrated. When the BLOCKING control is OFF, the blocking or censoring of programs is disabled. When the BLOCKING control is ON, blocking will occur according to the settings you have chosen.

NO RATING: ALL programming with no content advisory data can be blocked if NO RATING is set to ON.

Programming that has No Rating is not encoded with any rating information from the MPAA or the Parental Guidelines. Any programming could fall into this category.

You also can block individual channels or block programming based on ratings of the MPAA and TV broadcasters. (See a description of the ratings on this page.)



MOVIE RATINGS (MOTION PICTURE ASSOCIATION OF AMERICA)

G: General Audience - All ages admitted. Most parents would find this programming suitable for all ages. This type of programming contains little or no violence, no strong language, and little or no sexual dialogue or sexual situations.

PG: Parental Guidance Suggested - This programming contains material that parents may find unsuitable for younger children. It may contain one or more of the following: Moderate violence, some sexual situations, infrequent coarse language, or some suggestive dialogue.

PG-13: Parents Strongly Cautioned - This programming contains material that parents may find unsuitable for children under the age of 13. It contains one or more of the following: violence, sexual situations, coarse language, or suggestive dialogue.

R: Restricted - This programming is specifically designed for adults. Anyone under the age of 17 should view this programming only with an accompanying parent or adult guardian. It contains one or more of the following: intense violence; intense sexual situations; strong, coarse language; or intensely suggestive dialogue.

NC-17: No one under the age of 17 will be admitted. - This type of programming should be viewed by adults only. It contains graphic violence; explicit sex; or crude, indecent language.

X: Adults Only - This type of programming contains one or more of the following: very graphic violence, very graphic and explicit or indecent sexual acts, very coarse and intensely suggestive language.

TV PARENTAL GUIDELINES (TV BROADCASTERS)

TV-Y: (All children -- This program is designed to be appropriate for all children.) Designed for a very young audience, including children ages 2-6. This type of programming is not expected to frighten younger children.

TV-Y7: (Directed to Older Children -- This program is designed for children ages 7 and above.) It may be more appropriate for children who have acquired the development skills needed to distinguish between make-believe and reality. This programming may include mild fantasy and comic violence (FV).

TV-G: (General Audience -- Most parents would find this program suitable for all ages.) This type of programming contains little or no violence, no strong language, and little or no sexual dialogue or sexual situations.

TV-PG: (Parental Guidance Suggested -- This program contains material that parents may find unsuitable for younger children.) This type of programming contains one or more of the following: Moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

TV-14: (Parents Strongly Cautioned -- This program contains some material that many parents would find unsuitable for children under 14 years of age.) This type of programming contains one or more of the following: intense violence (V); intense sexual situations (S); strong, coarse language (L); or intensely suggestive dialogue (D).

TV-MA: (Mature Audience Only -- This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.) This type of programming contains one or more of the following: graphic violence (V); explicit sexual situations (S); or crude, indecent language (L).



SETTING UP AN AUTOLOCK™ ACCESS CODE

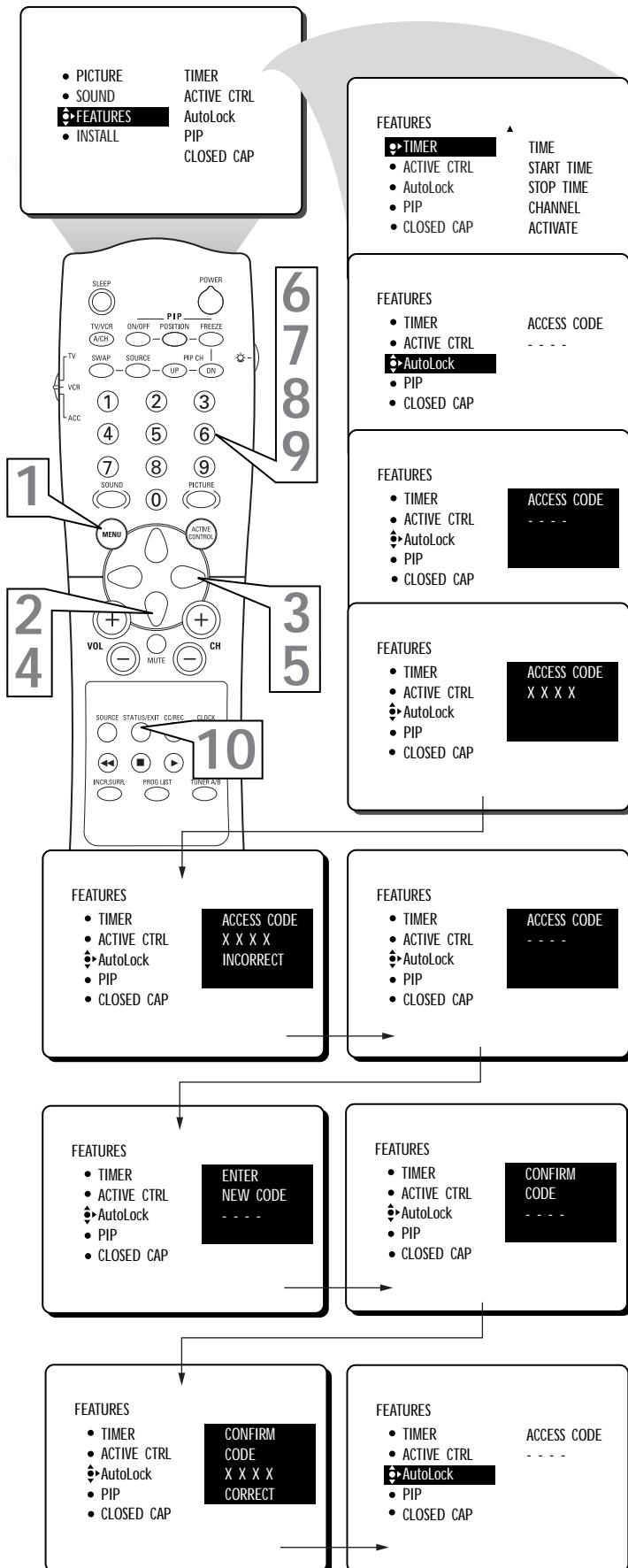
AutoLock™ allows parents to block out or "censor" any channels they think children should not watch. A channel blocked by the AutoLock™ control cannot be viewed until a correct access code is used to unlock the channel for viewing. First, let's set your AutoLock access code.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** twice to highlight **FEATURES**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left.
- 4** Press the **CURSOR DOWN** once to highlight the AutoLock control.
- 5** Press the **CURSOR RIGHT** to highlight **ACCESS CODE**.
- 6** Press **0,7,1,1** on the remote control. **INCORRECT** will appear on the screen.
- 7** Press **0,7,1,1** on the remote control again. **ENTER NEW CODE** will appear on the screen.
- 8** Enter a new **four-digit code** using the number buttons. **CONFIRM CODE** will appear on the screen.
- 9** Enter your new **four-digit code** again. **CORRECT** will flash on the screen briefly and the highlight bar goes back to AutoLock.
- 10** Press the **STATUS/EXIT** button to remove the menu from the screen.

HELPFUL HINT

Remember that 0711 is the default AutoLock™ code. If your access code has been changed by someone other than you (a child, for example) or you have forgotten the code, you can always get in by inputting the default code.

NOTE TO PARENTS: It isn't possible for your child to unblock a channel without knowing your access code or changing it to a new one. If your code has been changed without your knowledge, then you will become aware that blocked channels may have been viewed.



HOW TO BLOCK CHANNEL USING AUTOLOCK™



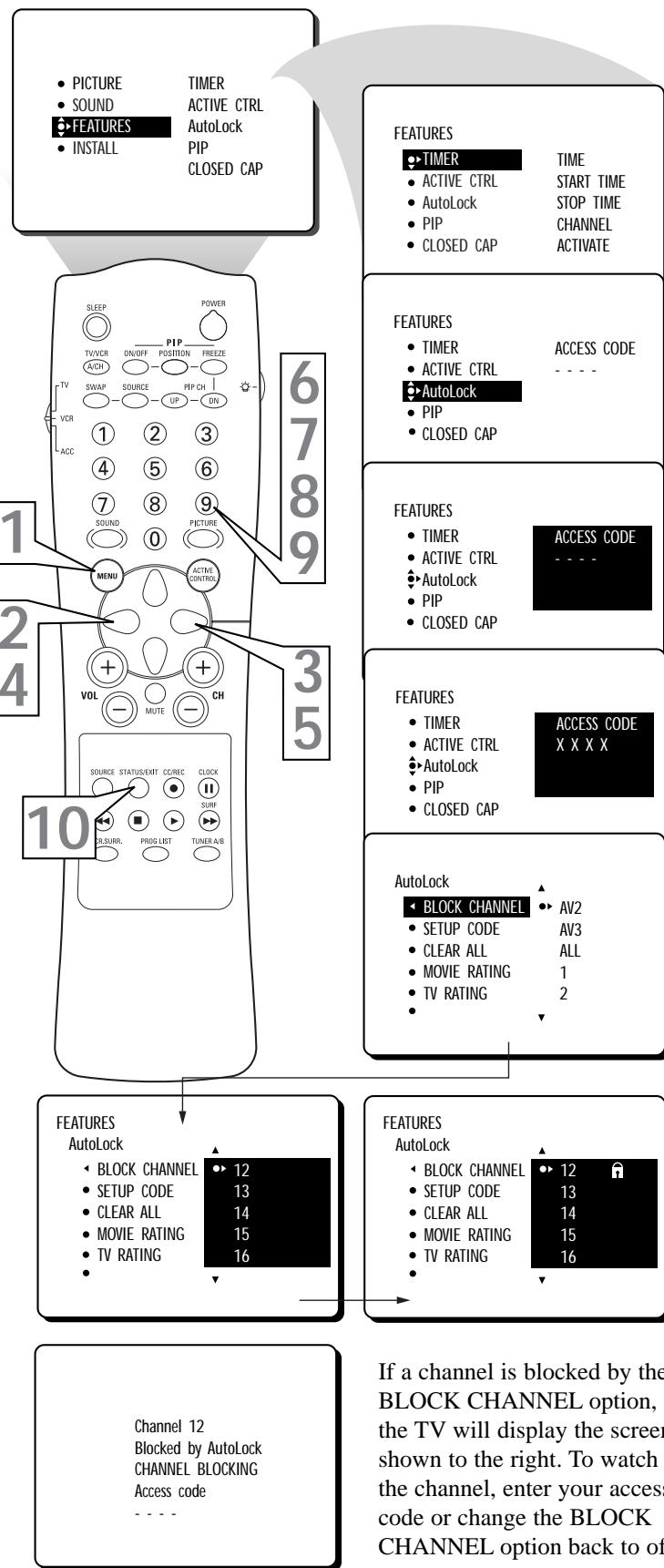
After your personal access code has been set (see the previous page), you are ready to select the channels or inputs you want to block out or censor.

- 1 Press the **MENU** button on the remote control to show the onscreen menu.
- 2 Press the **CURSOR DOWN** twice to highlight **FEATURES**.
- 3 Press the **CURSOR RIGHT** and the menu will shift to the left.
- 4 Press the **CURSOR DOWN** once to highlight the AutoLock™ control.
- 5 Press the **CURSOR RIGHT** again to highlight **ACCESS CODE**.
- 6 Enter your four-digit **ACCESS CODE**. **CORRECT** will flash very briefly and the menu will move to the left with **BLOCK CHANNEL** highlighted.
- 7 Press the **CURSOR RIGHT** to highlight the TV's available channels.
- 8 Press the **CURSOR UP** or **DOWN** to highlight the channel you want to block.
- 9 Press the **CURSOR RIGHT** to block the channel. A padlock image appears to the right of the channel number.
- 10 Repeat steps 7 and 8 for any channels you want to block from viewing.
- 10 Press the **STATUS/EXIT** button to remove the menu from the screen.

HELPFUL HINT

Remember that 0711 is the default AutoLock™ code. If your access code has been changed by someone other than you (a child, for example) or you have forgotten the code, you can always get in by inputting the default code.

NOTE: You also can block out the use of the A/V external inputs on the rear of the TV. This stops the viewing of VCR, DVD, and other sources that can be shown through the A/V input jacks. Select AV1, CVI, AV2, or AV3, and then select **BLOCK**.



If a channel is blocked by the **BLOCK CHANNEL** option, the TV will display the screen shown to the right. To watch the channel, enter your access code or change the **BLOCK CHANNEL** option back to off.



HOW TO CLEAR ALL BLOCKED CHANNELS USING AUTOLOCK™

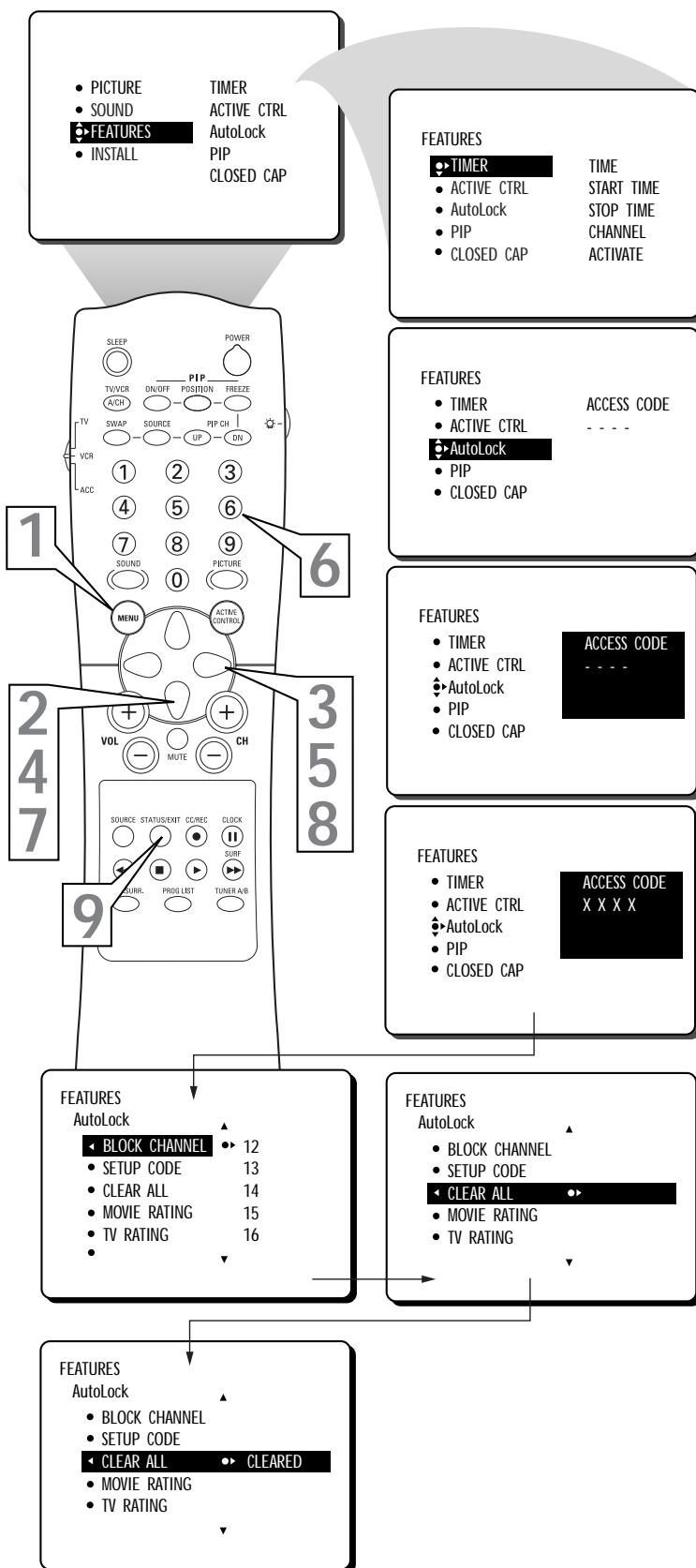
Various onscreen messages will appear when someone tries to view blocked programming. The message is determined by how the current programming is blocked. You may view the blocked programming and turn OFF the AutoLock™ feature by using the Clear All control or by entering your access code.

- 1** Press the MENU button on the remote control to show the onscreen menu.
- 2** Press the CURSOR DOWN twice to highlight FEATURES.
- 3** Press the CURSOR RIGHT and the menu will shift to the left.
- 4** Press the CURSOR DOWN once to highlight the AutoLock™ control.
- 5** Press the CURSOR RIGHT again to highlight ACCESS CODE.
- 6** Enter your four-digit ACCESS CODE and the menu will move to the left with BLOCK CHANNEL highlighted.
- 7** Press the CURSOR DOWN twice to highlight CLEAR ALL.
- 8** Press the CURSOR RIGHT twice. The CLEAR ALL option will display the word CLEARED. All blocked channels and programming are now viewable.
- 9** Press the STATUS/EXIT button to remove the menu from the screen.

HELPFUL HINT

If you tune to a specific channel that has been blocked by BLOCK CHANNEL or any of the AutoLock™ RATING options, simply enter your four-digit access code to view the channel.

NOTE: This will unblock ALL channels until the TV is shut OFF. When powered back ON, all previously blocked channels will be blocked again.



HOW TO BLOCK PROGRAMMING BASED ON MOVIE RATINGS



After your personal access code has been set, you can select specific movie ratings that you want to censor.

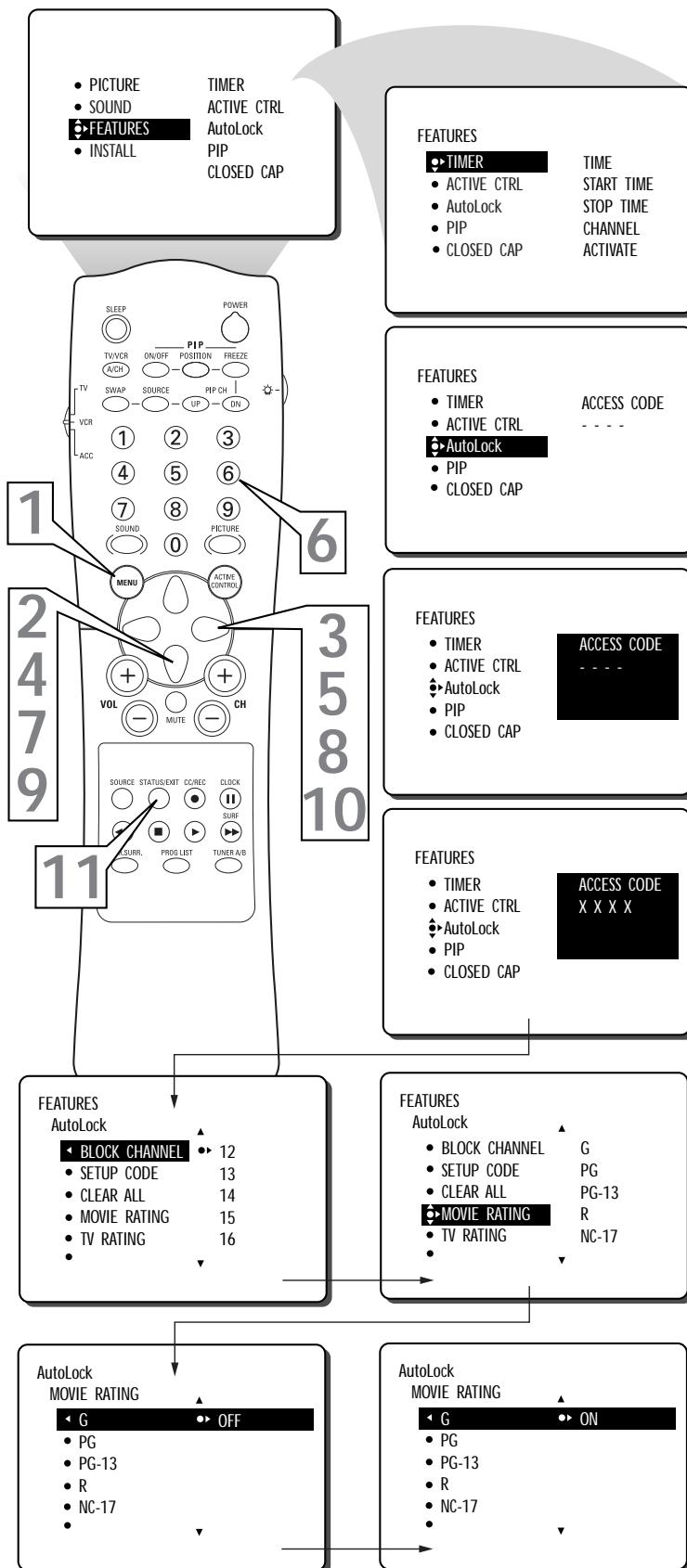
- 1 Press the **MENU** button on the remote control to show the onscreen menu.
- 2 Press the **CURSOR DOWN** twice to highlight **FEATURES**.
- 3 Press the **CURSOR RIGHT** and the menu will shift to the left.
- 4 Press the **CURSOR DOWN** once to highlight the **AutoLock™** control.
- 5 Press the **CURSOR RIGHT** again to highlight **ACCESS CODE**.
- 6 Enter your four-digit **ACCESS CODE**. **CORRECT** will flash very briefly and the menu will move to the left with **BLOCK CHANNEL** highlighted.
- 7 Press the **CURSOR DOWN** repeatedly until **MOVIE RATING** is highlighted.
- 8 Press the **CURSOR RIGHT** and the Rating menu shifts to the left with **G** highlighted.
- 9 Press the **CURSOR UP** or **DOWN** to highlight each rating you want.
- 10 Press the **CURSOR RIGHT** to turn the rating **ON** or **OFF**. Turning the rating **ON** will block programs with that rating from being seen.
- 11 Press the **STATUS/EXIT** button to remove the menu from the screen.

HELPFUL HINT

When a rating is turned **ON**, all higher ratings also will be turned on automatically. For example, if the **R** rating is turned on, the **NC-17** and **X** ratings also will be turned on.

All Movie Ratings can be turned **ON** or **OFF**.

Refer to page 31 for Movie Rating definitions.





HOW TO BLOCK PROGRAMMING BASED ON TV RATINGS

You can select specific TV ratings that you want to censor by following these steps.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** twice to highlight **FEATURES**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left.
- 4** Press the **CURSOR DOWN** once to highlight the **AutoLock™** control.
- 5** Press the **CURSOR RIGHT** again to highlight **ACCESS CODE**.
- 6** Enter your four-digit **ACCESS CODE**. **CORRECT** will flash very briefly and the menu will move to the left with **BLOCK CHANNEL** highlighted.
- 7** Press the **CURSOR DOWN** repeatedly until **TV RATING** is highlighted.
- 8** Press the **CURSOR RIGHT** and the menu will shift to highlight the **TV RATING** options.
- 9** Press the **CURSOR UP** or **DOWN** to select a rating.
- 10** Press the **CURSOR RIGHT** or **LEFT** to turn the block on the rating **ON** or **OFF**.

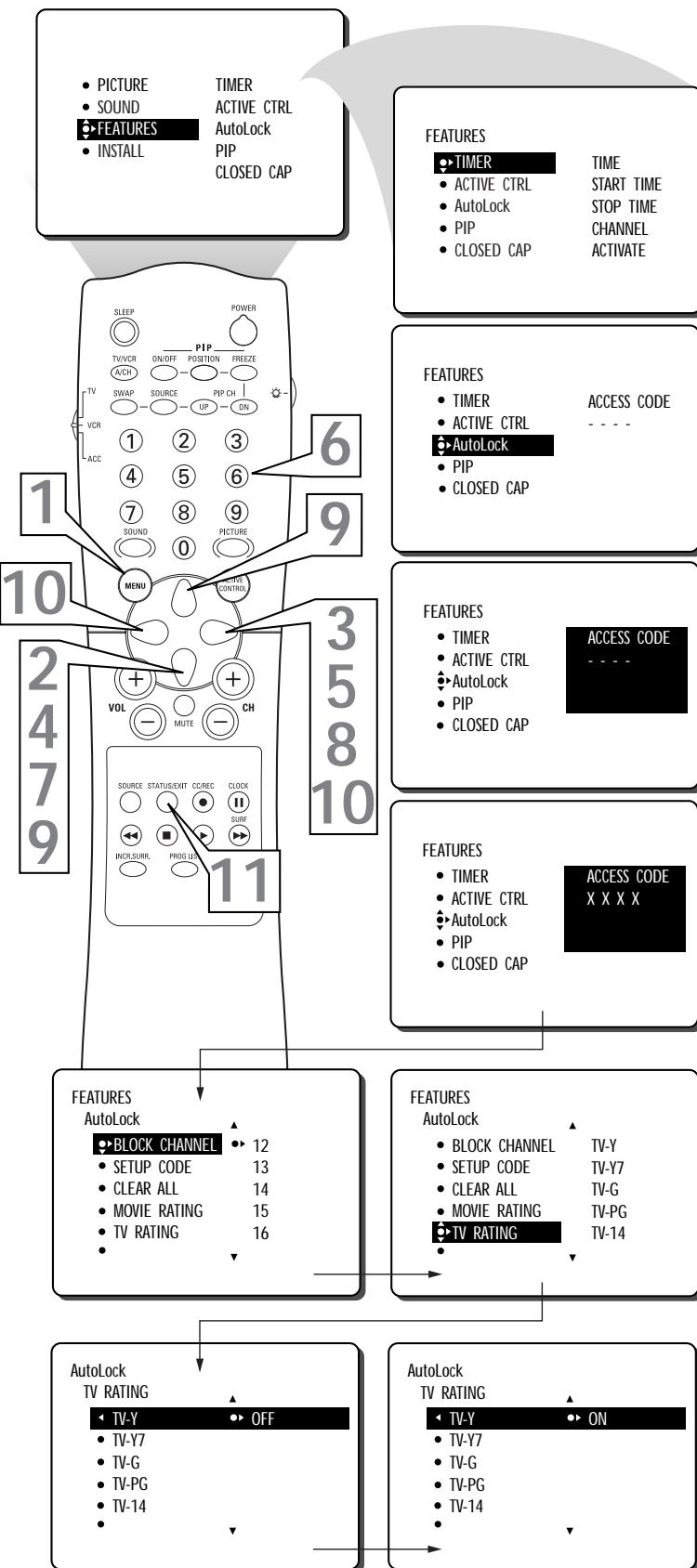
NOTE: More specific subratings (for violence, sexual content, dialogue, or fantasy violence) are available for TV-Y7, TV-PG, TV-14, and TV-MA. (Refer to page 31 for definitions.)

To access these subratings, with the main rating selected, **press the CURSOR RIGHT**. Then, repeat steps 9 and 10 to turn the sub-ratings **ON** or **OFF**.

- 11** Press the **STATUS/EXIT** button to remove the menu from the screen.

HELPFUL HINT

When a rating is turned **ON**, all higher ratings also will be turned on automatically. For example, if the **R** rating is turned on, the **NC-17** and **X** ratings also will be turned on.



OTHER AUTOLOCK BLOCKING OPTIONS -BLOCKING CONTROL

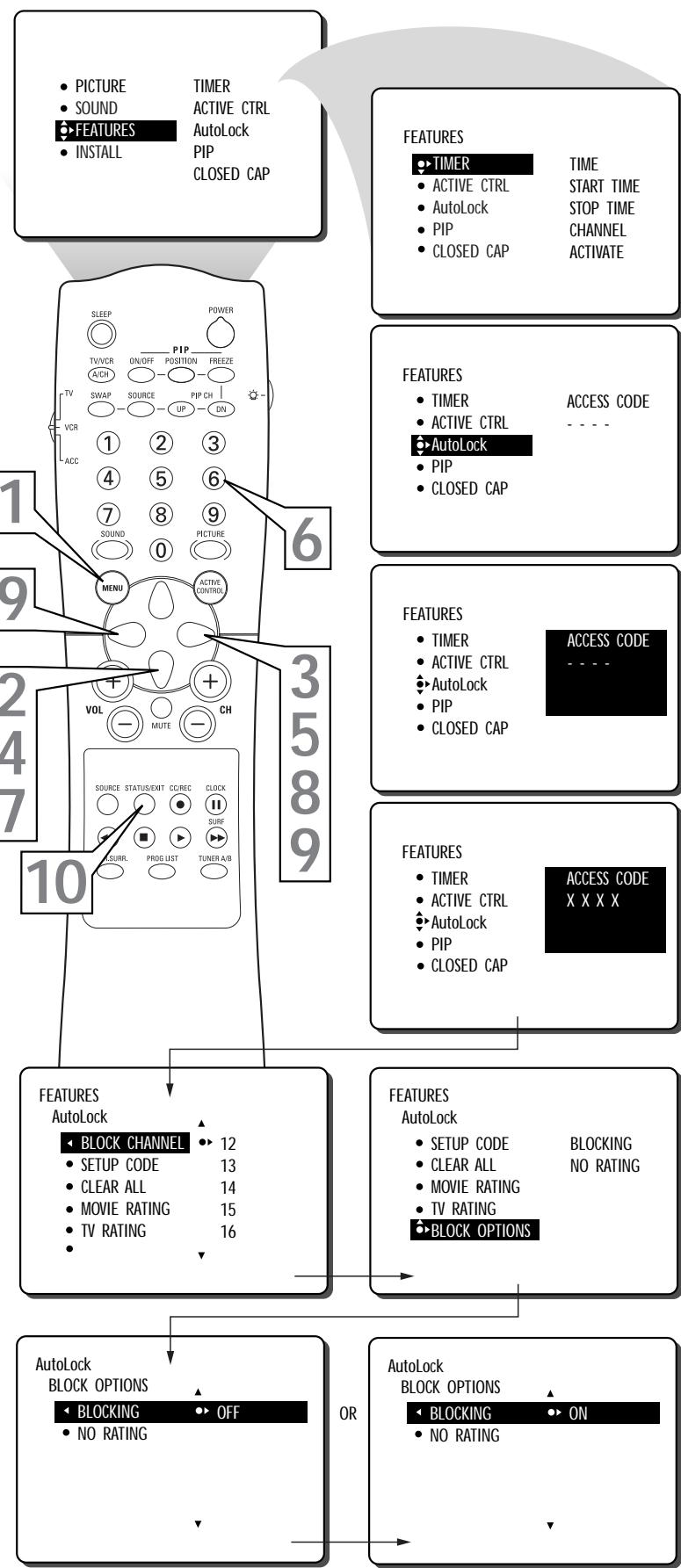


The **BLOCKING** control is what can be thought of as the “master switch” for AutoLock™. This control affects the settings you have chosen for blocking programs according to movie ratings or TV ratings, or for blocking programs that have no rating or are unrated. When the **BLOCKING** control is OFF, the blocking or censoring of programs is disabled. When the **BLOCKING** control is ON, blocking will occur according to the settings you have chosen. Follow these steps to toggle **BLOCKING** OFF or ON.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** twice to highlight **FEATURES**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left.
- 4** Press the **CURSOR DOWN** once to highlight the AutoLock control.
- 5** Press the **CURSOR RIGHT** again to highlight **ACCESS CODE**.
- 6** Enter your four-digit **ACCESS CODE** and the menu will move to the left with **BLOCK CHANNEL** highlighted.
- 7** Press the **CURSOR DOWN** repeatedly until **BLOCK OPTIONS** is highlighted.
- 8** Press the **CURSOR RIGHT** to enter the **BLOCK OPTIONS** menu. **BLOCKING** will be highlighted.
- 9** Press the **CURSOR RIGHT** or **LEFT** to toggle **BLOCKING** ON or OFF.
- 10** Press the **STATUS/EXIT** button to remove the menu from the screen.

HELPFUL HINT

Remember, when the **BLOCKING** control is OFF, the blocking or censoring of programs is disabled. When the **BLOCKING** control is ON, blocking will occur according to the settings you have chosen.

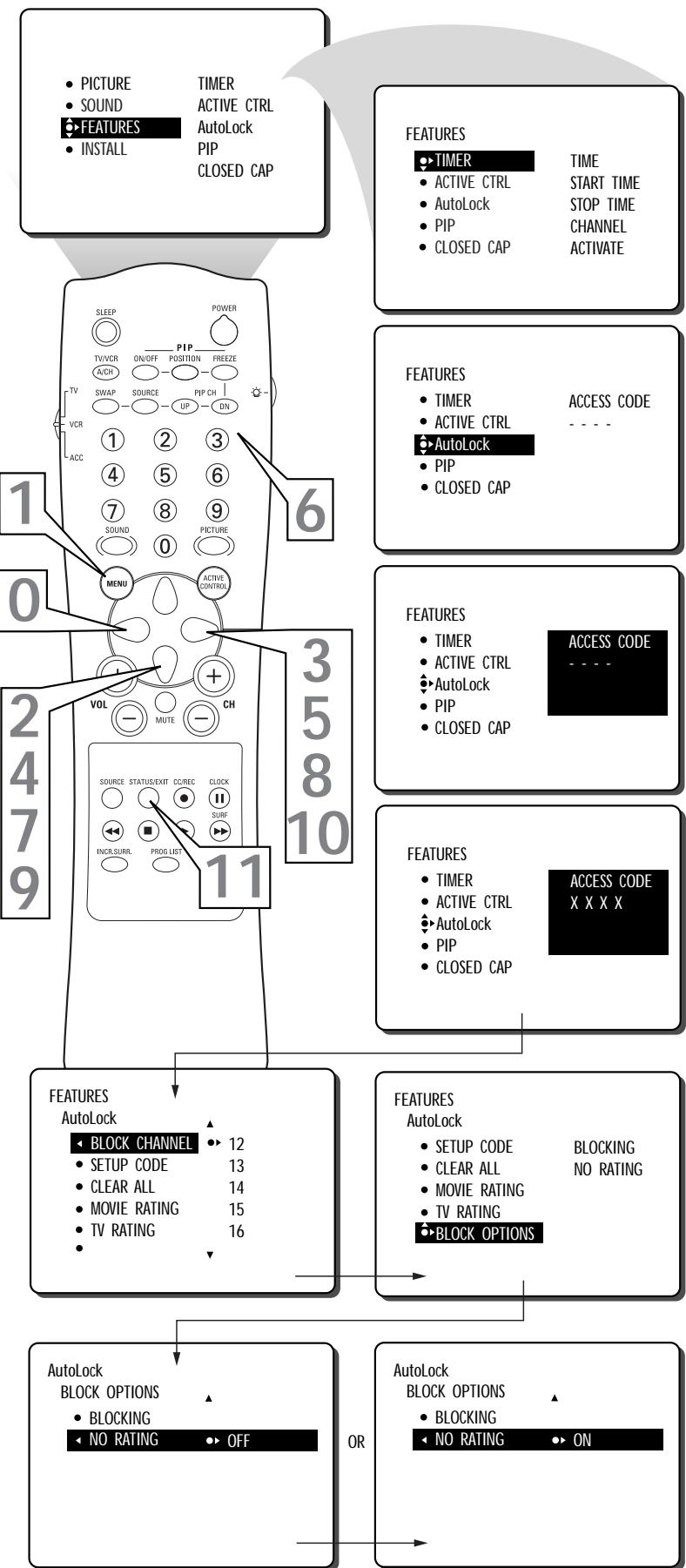




OTHER AUTOLOCK BLOCKING OPTIONS - NO RATING CONTROL

Some programming is not encoded with content advisory data by the MPAA (Motion Picture Association of America) or the television broadcasters (see the explanation on page 31). To block such programming, follow these steps.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** twice to highlight **FEATURES**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left.
- 4** Press the **CURSOR DOWN** once to highlight the **AutoLock** control.
- 5** Press the **CURSOR RIGHT** again to highlight **ACCESS CODE**.
- 6** Enter your four-digit **ACCESS CODE** and the menu will move to the left with **BLOCK CHANNEL** highlighted.
- 7** Press the **CURSOR DOWN** repeatedly until **BLOCK OPTIONS** is highlighted.
- 8** Press the **CURSOR RIGHT** to enter the **BLOCK OPTIONS** menu. **BLOCKING** will be highlighted.
- 9** Press the **CURSOR DOWN** to highlight the **NO RATING** option.
- 10** Press the **CURSOR RIGHT** or **LEFT** to toggle **NO RATING** ON or OFF.
- 11** Press the **STATUS/EXIT** button to remove the menu from the screen.



HOW TO REVIEW THE AUTOLOCK™ STATUS SCREEN



To remind you which ratings you have blocked and which Block Options you have selected, a review screen is available to review your AutoLock™ settings. To access this screen follow the steps below.

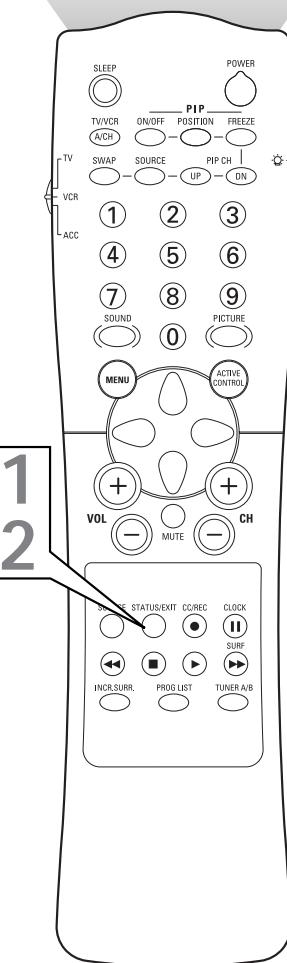
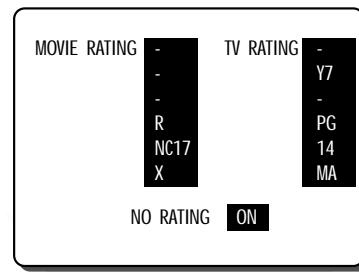
1 Press the **STATUS/EXIT** button on your remote control **TWICE**. Your AutoLock™ settings will appear on the screen.

NOTE: If you have blocked specific subratings, such as V for Violence in the TV-PG category, these blocked subratings will not appear in the review. The subratings however, are still blocked according to your selections.

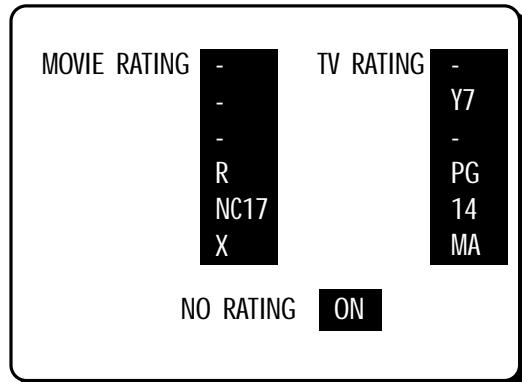
2 After a few seconds, the settings will leave the screen automatically, or you can **press the STATUS/EXIT button** a third time to remove them from the screen.

HELPFUL HINT

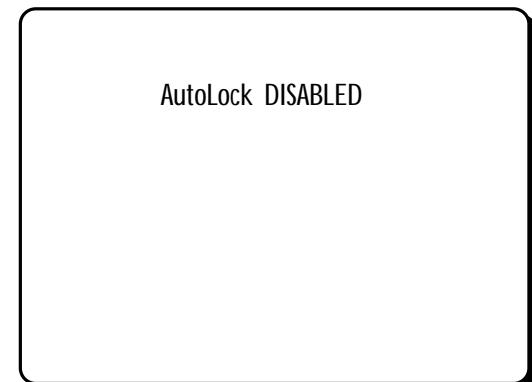
The AutoLock™ Status screen will only appear if the **BLOCKING** option is set to **ON**. For details, see page 37.



This display will appear after the step 1 above is completed if the AutoLock™ **BLOCKING** option is set to **ON**.



This display will appear after the step 1 above is completed if the AutoLock™ **BLOCKING** option is set to **OFF**.



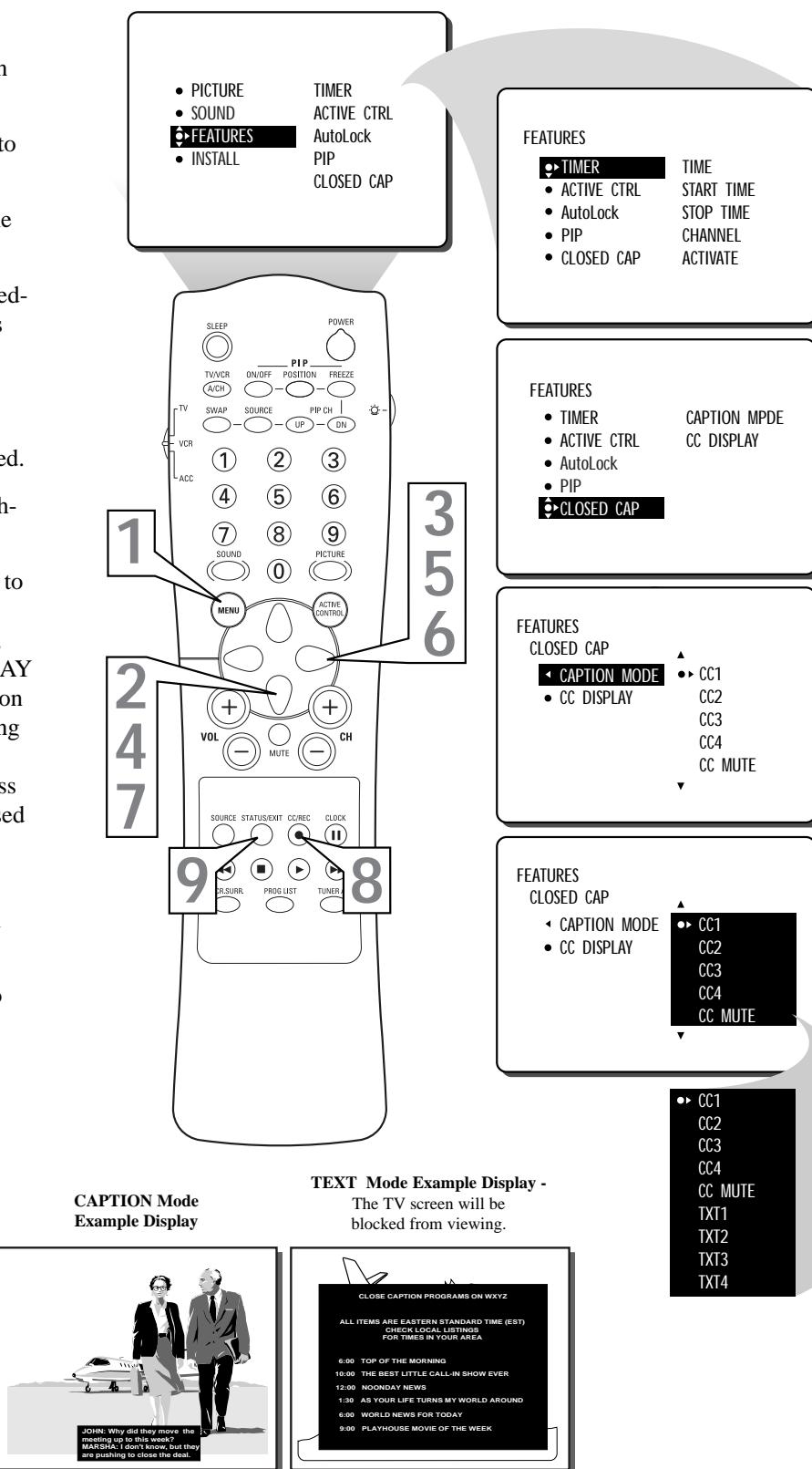


HOW TO USE THE CLOSED CAPTIONING CONTROL

Closed Captioning (CC) allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, this feature uses onscreen "text boxes" to show dialogue and conversations while the TV program is in progress.

- 1** Press the **MENU** button on the remote control to show the on-screen menu.
- 2** Press the **CURSOR DOWN** twice to highlight **FEATURES**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left.
- 4** Press the **CURSOR DOWN** repeatedly until the **CLOSED CAP** control is highlighted.
- 5** Press the **CURSOR RIGHT** again. The menu will shift to the left and **CAPTION MODE** will be highlighted.
- 6** Press the **CURSOR RIGHT** to highlight **CAPTION MODEs**.
- 7** Press the **CURSOR UP or DOWN** to select a **CAPTION MODE**: CC1, CC2, CC3, CC4, CC MUTE, TXT1, TXT2, TXT3, or TXT4. **CC DISPLAY** turns text OFF or ON if the TV station broadcasting on the channel is making **CLOSED CAPTIONING** available. With **CC DISPLAY** highlighted, press the **CURSOR RIGHT** to toggle Closed Captioning ON or OFF.
- 8** NOTE: You also can **press the CC button** on the remote control to turn the **CC TEXT** option ON or OFF.
- 9** Press the **STATUS/EXIT** button to remove the menu from the screen.

NOTE: Not all TV programs and product commercials are broadcast with Closed Captioning (CC). Nor are all Closed Captioning MODEs (CAPTION 1-4 or TEXT 1-4) necessarily being used by broadcast stations during the transmission of a program offering Closed Captioning. Refer to your area's TV program listings for the stations and times of shows being broadcast with Closed Captioning.



HOW TO USE THE SCREEN FORMAT CONTROL

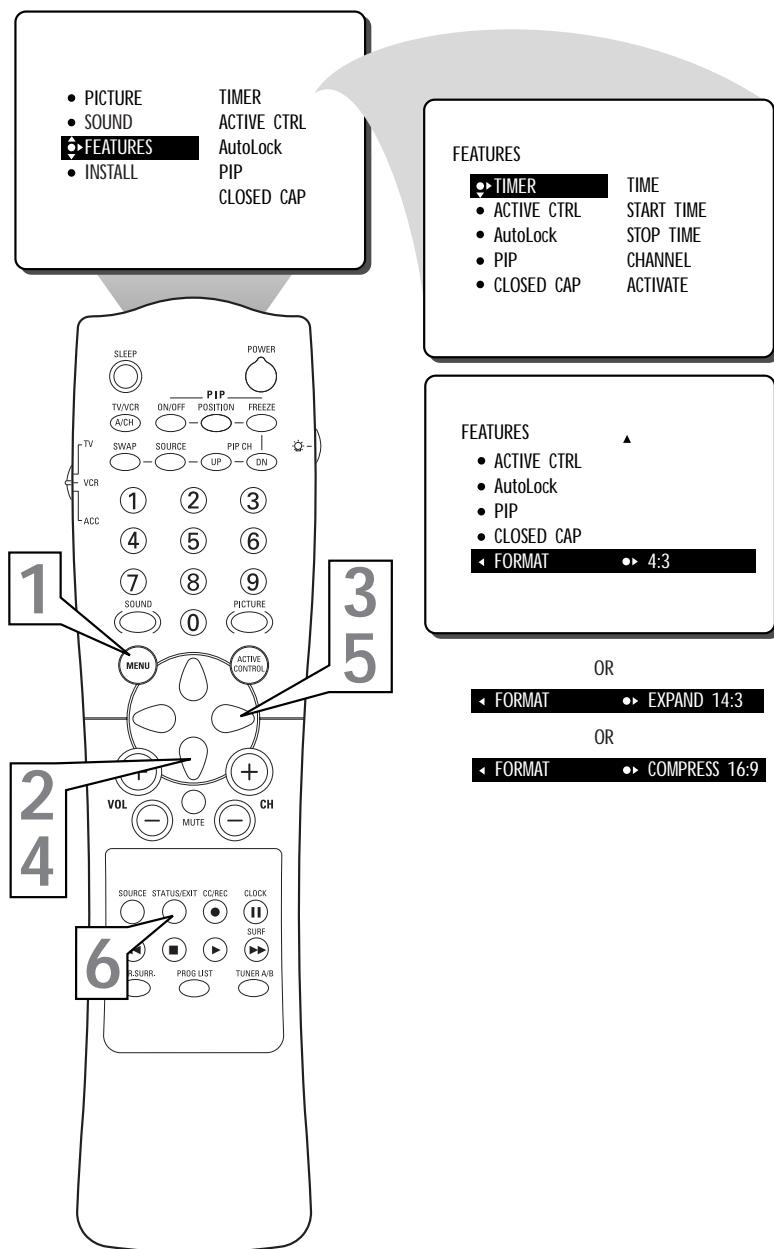


You can change the screen format size to match the type of program you're watching. Select the normal 4:3, Expand 14:3, or Compress 16:9 (known as letter-box style) aspect ratio.

- 1** Press the **MENU** button on the remote control to show the on-screen menu.
- 2** Press the **CURSOR DOWN** twice to highlight **FEATURES**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left.
- 4** Press the **CURSOR DOWN** repeatedly until the **FORMAT** control is highlighted.
- 5** Press the **CURSOR RIGHT** repeatedly to toggle among the three screen format sizes; 4:3, EXPAND 14:3, or COMPRESS 16:9.
- 6** Press the **STATUS/EXIT** button to remove the menu from the screen.

IMPORTANT NOTE:

Some DVD Discs are encoded with as much as 30% more video information to give the viewer the best possible picture quality. With the DVD Player in the 16:9 picture format, the playback of this type of disc (containing extra video information), can produce a number of small white lines in the upper portion of the black letterbox area. With some of these discs, this situation is unavoidable and it does not require a service call.



◀ FORMAT • 4:3



◀ FORMAT • EXPAND 14:3



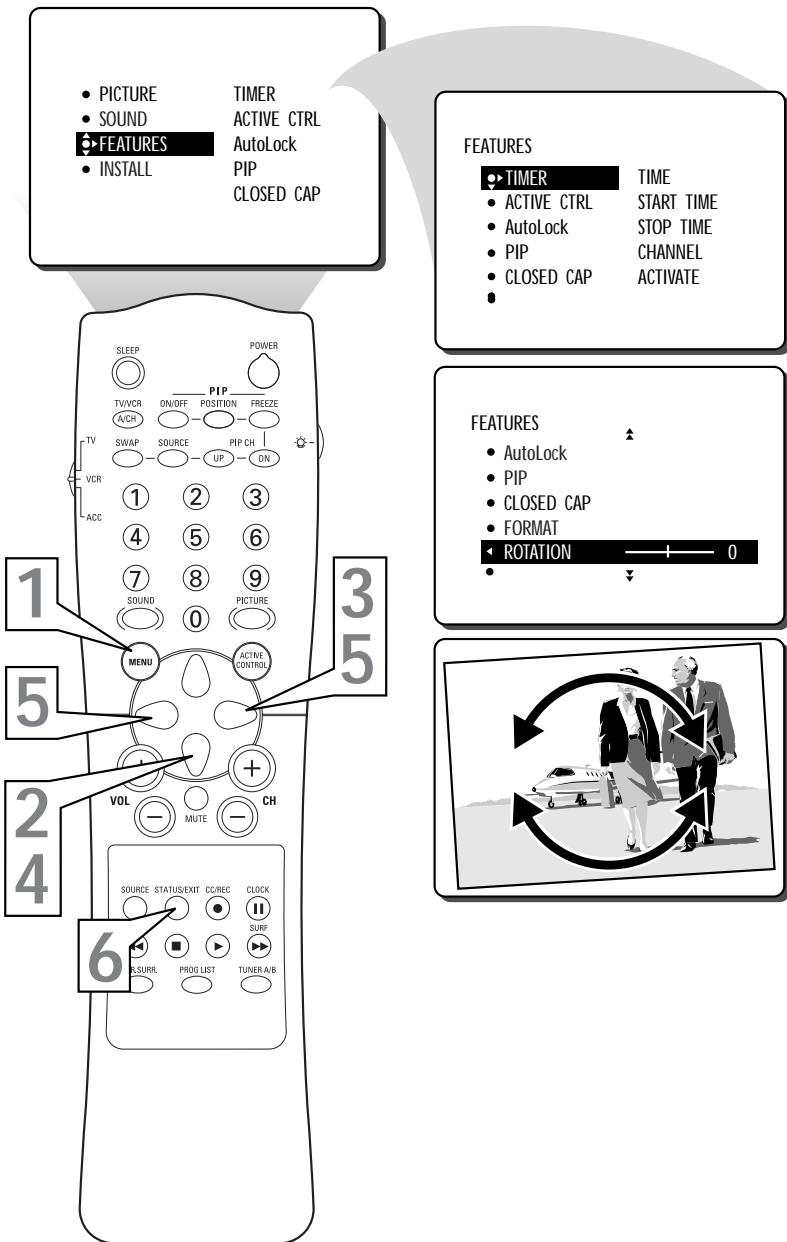
◀ FORMAT • COMPRESS 16:9



HOW TO USE THE ROTATION CONTROL

In rare cases the video supplied to the TV screen might show slightly tilted one way or another. The Tilt Adjust control will allow you to correct the problem by adjusting the screen in a clockwise or counterclockwise direction.

- 1** Press the **MENU** button on the remote control to show the on-screen menu.
- 2** Press the **CURSOR DOWN** twice to highlight **FEATURES**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left.
- 4** Press the **CURSOR DOWN** repeatedly until the **ROTATION** control is highlighted.
- 5** Press the **CURSOR RIGHT** or **LEFT** to rotate the picture on the screen clockwise or counter clockwise. Please note that the amount of rotation will be very minimal.
- 6** Press the **STATUS/EXIT** button to remove the menu from the screen.

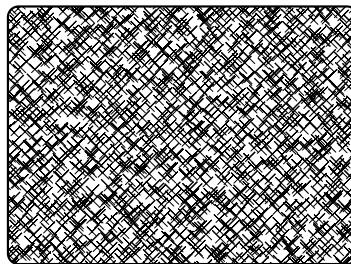
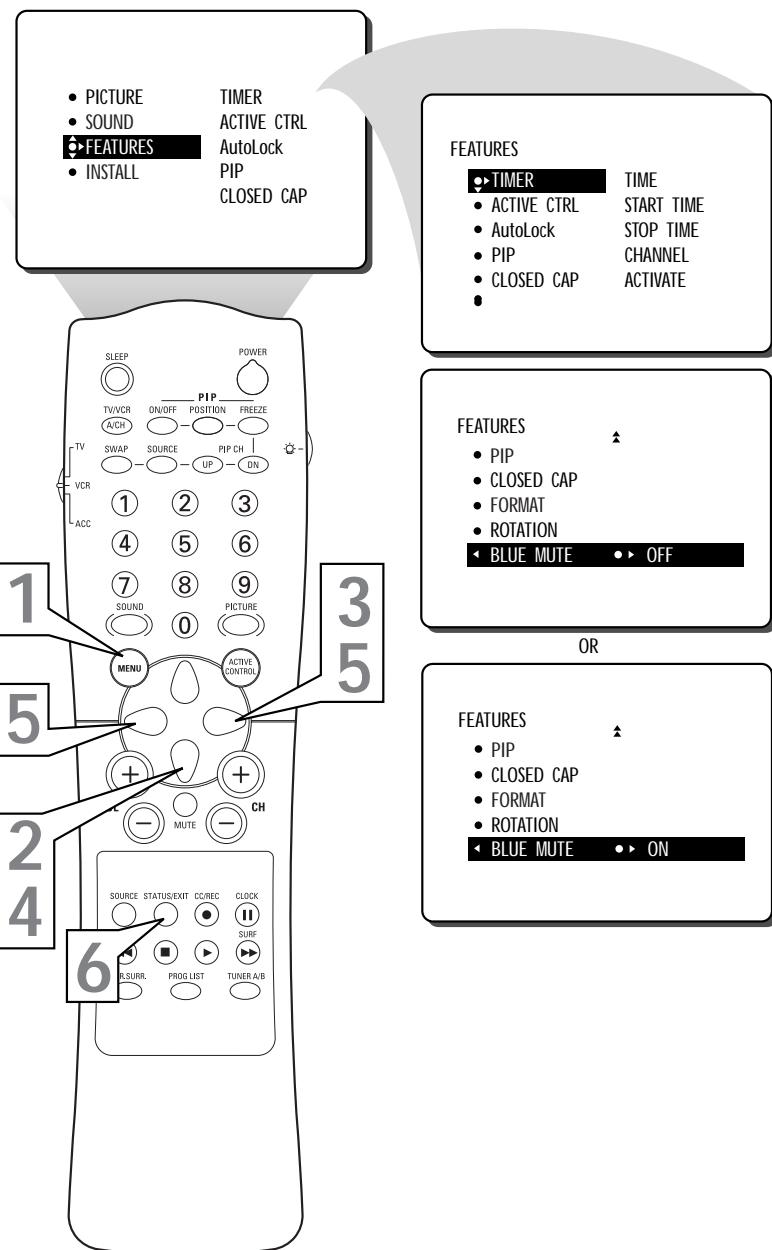


HOW TO SET THE BLUE MUTE CONTROL

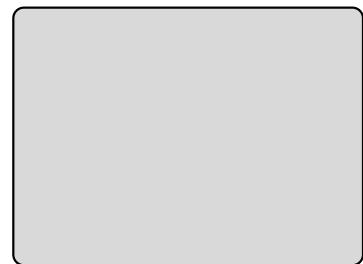


Normally, the television would display a "snowy" looking screen with a lot of static sounds when the signal is lost. The Blue Mute control will automatically set the screen to a pleasant blue background when it detects no signal available if turned on.

- 1** Press the **MENU** button on the remote control to show the on-screen menu.
- 2** Press the **CURSOR DOWN** twice to highlight **FEATURES**.
- 3** Press the **CURSOR RIGHT** and the menu will shift to the left.
- 4** Press the **CURSOR DOWN** repeatedly until the **BLUE MUTE** control is highlighted.
- 5** Press the **CURSOR RIGHT or LEFT** to toggle the control ON or OFF.
- 6** Press the **STATUS/EXIT** button to remove the menu from the screen.



BLUE MUTE OFF
"Snowy" Picture



BLUE MUTE ON
Pleasant Blue Screen



HOW TO SET THE SLEEP TIMER CONTROL

Have you ever fallen asleep in front of the TV, only to have it wake you up at two in the morning with a test pattern sound screeching in your ears? Well, your TV can enable you to avoid that discomfort by automatically turning itself off. With the Sleep Timer feature, you can set a timer to automatically switch the TV OFF after a period of time you choose (15-minute increments up to 60 minutes, then 30-minute increments up to 90 minutes, then 60-minute increments up to 240 minutes).

1 Press the SLEEP button on the remote control. The SLEEP timer onscreen display will appear in the upper part of the screen.

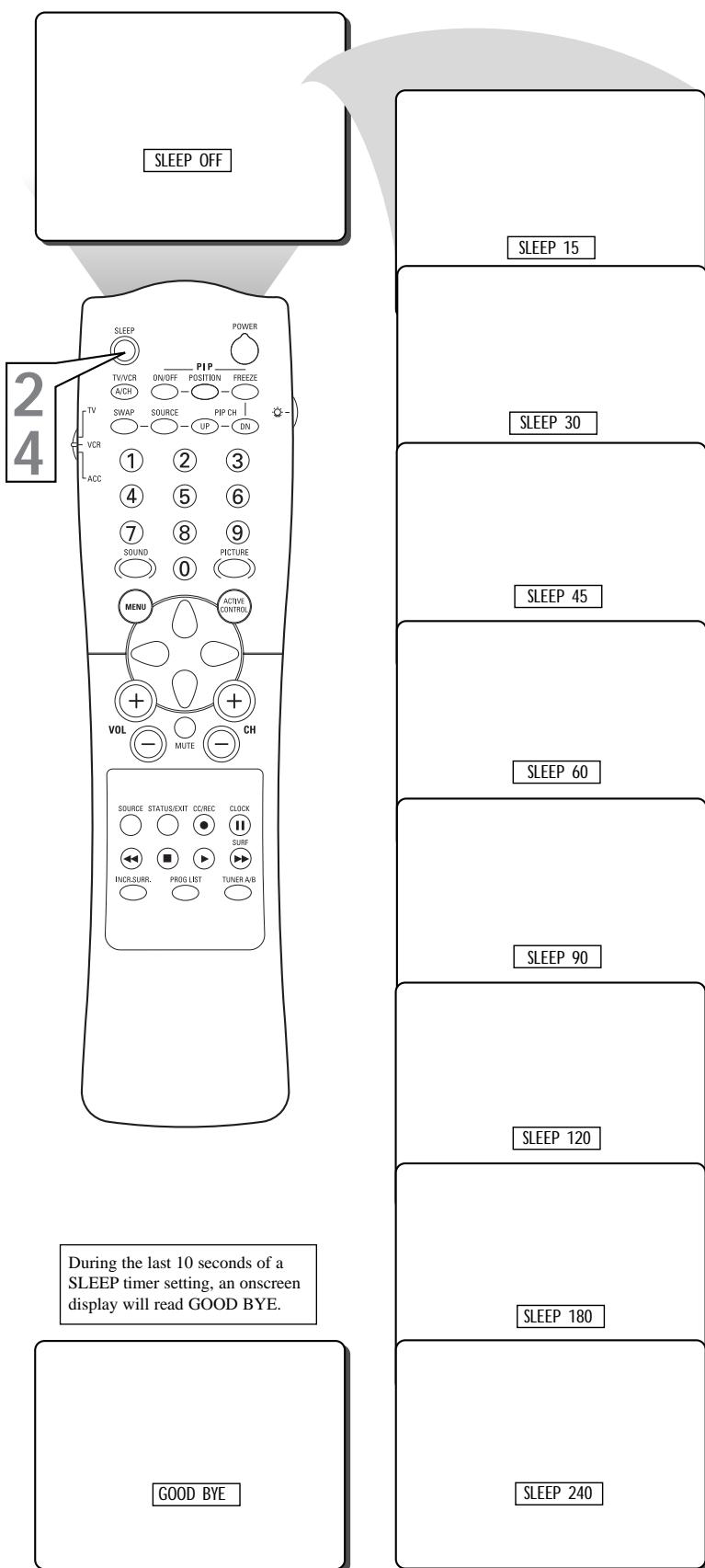
2 Within five seconds, press the SLEEP button repeatedly to pick the amount of time (15-minute increments up to 60 minutes, then 30-minute increments up to 90 minutes, then 60-minute increments up to 240 minutes) before the TV will turn itself off.

An onscreen countdown will appear during the last minute before the TV shuts itself off.

HELPFUL HINT

To see how many minutes remain before the TV shuts itself off, press the STATUS/EXIT button.

A Sleep Timer setting can be cancelled by pressing any button during the last minute of the operation.



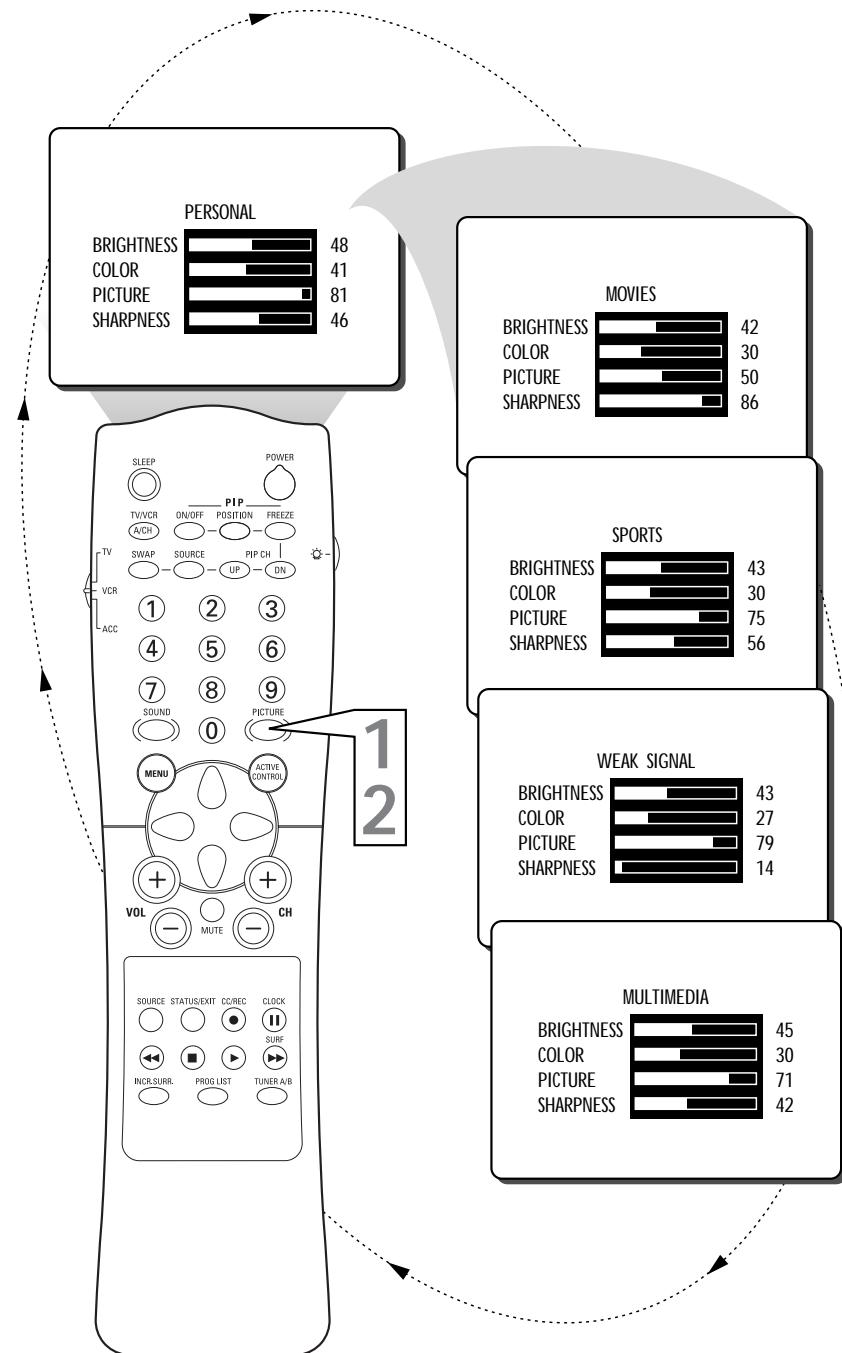
HOW TO USE THE AUTOPICTURE™ CONTROL



Whether you're watching a movie or a video game, your TV has automatic video control settings that will match with your current program source or content. AutoPicture™ quickly resets your TV's video controls for a number of different types of programs and viewing conditions that you may have in your home. The Movies, Sports, Weak Signal, and Multimedia AutoPicture™ controls have been preset at the factory to automatically adjust the TV's brightness, color, picture, sharpness, tint, and color temperature levels. The Personal AutoPicture™ settings are the ones that you made through the PICTURE options within the onscreen menu

- 1** Press the PICTURE button on the remote control. The current AutoPicture™ setting will appear in the middle of the screen.
- 2** Press the PICTURE button repeatedly to select either PERSONAL, MOVIES, SPORTS, WEAK SIGNAL, or MULTIMEDIA picture settings.

NOTE: The PERSONAL setting and the PICTURE options within the onscreen menu are the same. This is the only option in AutoPicture™ that can be changed. To adjust these settings, use the PICTURE options within the onscreen menu. All other settings are set up at the factory during production and cannot be adjusted.



NOTE: The values shown in the diagram above are sample values only. Your television's values may vary and display different numbers.



HOW TO USE THE AUTO SOUND™ CONTROL

AutoSound™ allows you to select from three factory-set controls and a personal control that you set according to your own preferences through the onscreen Sound menu. The three factory-set controls (Voice, Music, and Theatre) enable you to tailor the TV sound so as to enhance the particular program you are watching. Follow these steps to select any of the options.

- 1 Press the **SOUND** button on the remote control. The current AutoSound™ setting will appear in the middle of the screen.
- 2 Press the **SOUND** button repeatedly to toggle among the four settings: PERSONAL, VOICE, MUSIC, or THEATRE.

Remember, only the PERSONAL control can be changed by the viewer. This changes the settings in the main onscreen menu's SOUND controls

HELPFUL HINT

AutoSound™ works only with the programs coming through the ANTENNA/CABLE (ANT) input on the rear of the TV (RF audio). It will not control the sound levels for the external connections.

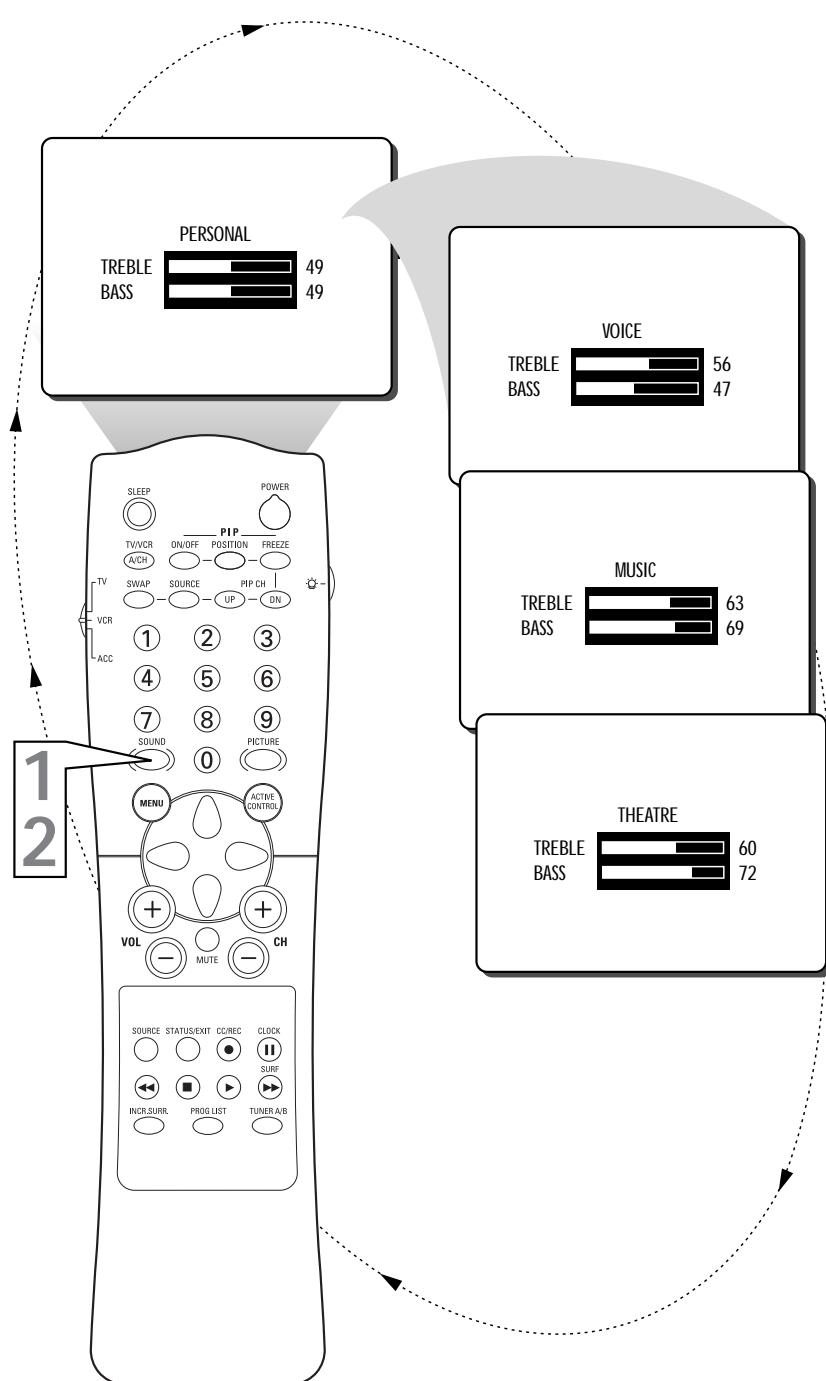
CHECK IT OUT

PERSONAL – presents the TV's sound according to the settings you make within the sound menu.

VOICE – brings voices to the forefront and emphasizes them. Moves music to the background.

MUSIC – emphasizes music over voices.

THEATRE – provides a balance between voices and music.



NOTE: The values shown in the diagram above are sample values only. Your television's values may vary and display different numbers.

HOW TO USE SURF CONTROL (AND ALTERNATE CHANNEL)



A list or series of previously viewed channels can be selected with the SURF button on your remote control. With this feature, you can easily switch between different TV channels that currently interest you. The SURF control allows you to set up to ten channels in its quick viewing list.

1 Press the CHANNEL(+) or (-) button (or the numbered buttons) to select a channel to add to the SURF list.

2 Press the SURF button on the remote control. The onscreen display may read, "SURF LIST EMPTY." The number of the current channel will be shown with "ADD?" to the right.

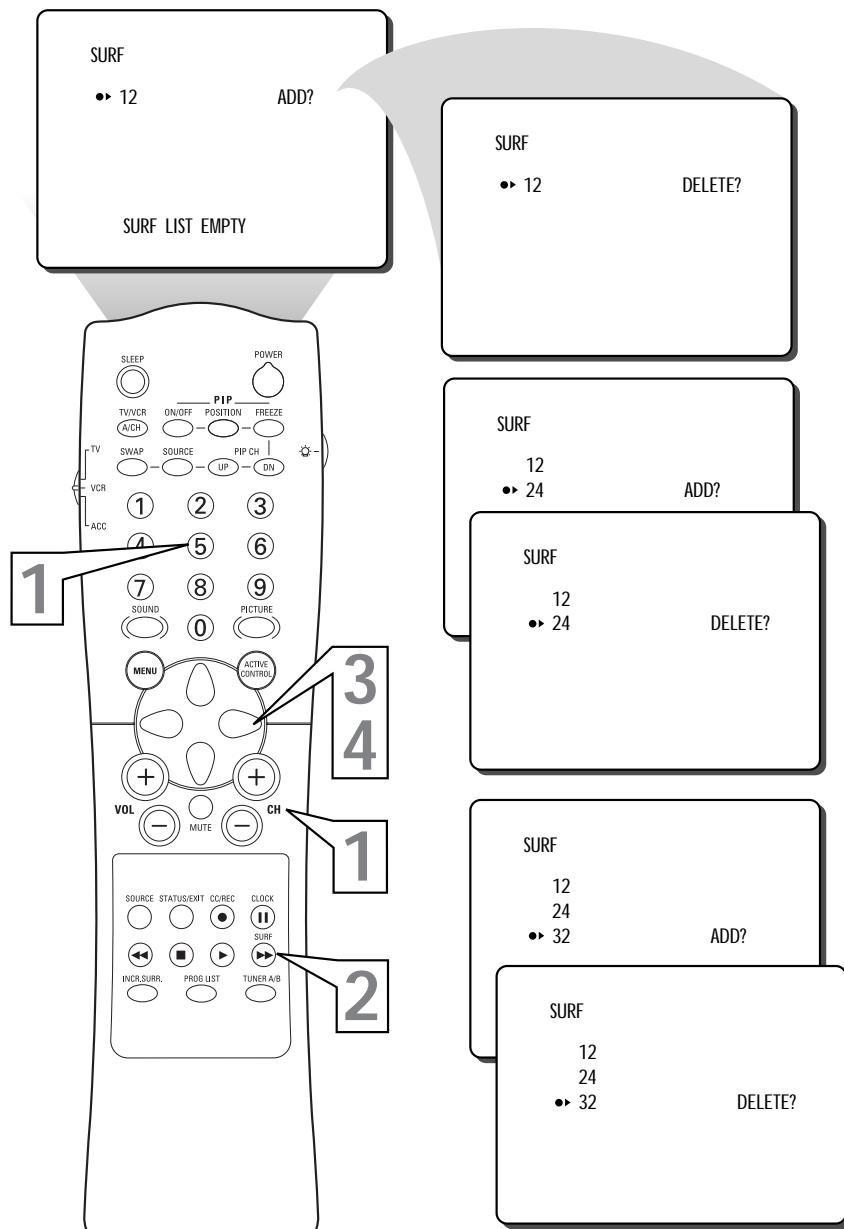
3 While the SURF list message or the SURF channel list appears on the screen, press the CURSOR RIGHT button to add the present channel to the SURF list.

4 If you want to delete the present channel from the SURF list, press the CURSOR RIGHT button again.

Repeat steps 1 through 3 to add more channels (up to 10) to the SURF list.

HELPFUL HINT

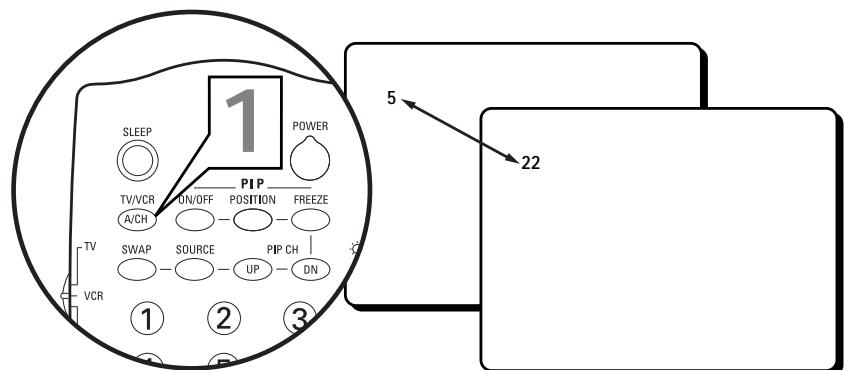
Along with regularly programmed channels, the external video source connections can be added to the SURF list. This means that the AV1, CVI, AV2, and AV3 channels can be added to your SURF list. Just tune to their channel and use the same procedure described on this page.



ALTERNATE CHANNEL BUTTON

Your remote also has an A/CH (Alternate Channel) button. Pressing this button will toggle between the current and one previous channel.

1 Press the A/CH button toggle between the present channel and the last previously viewed channel.



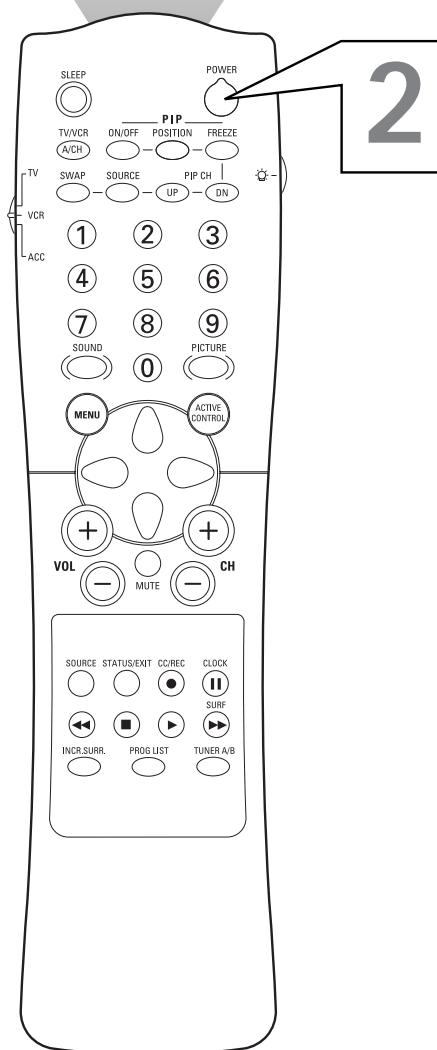
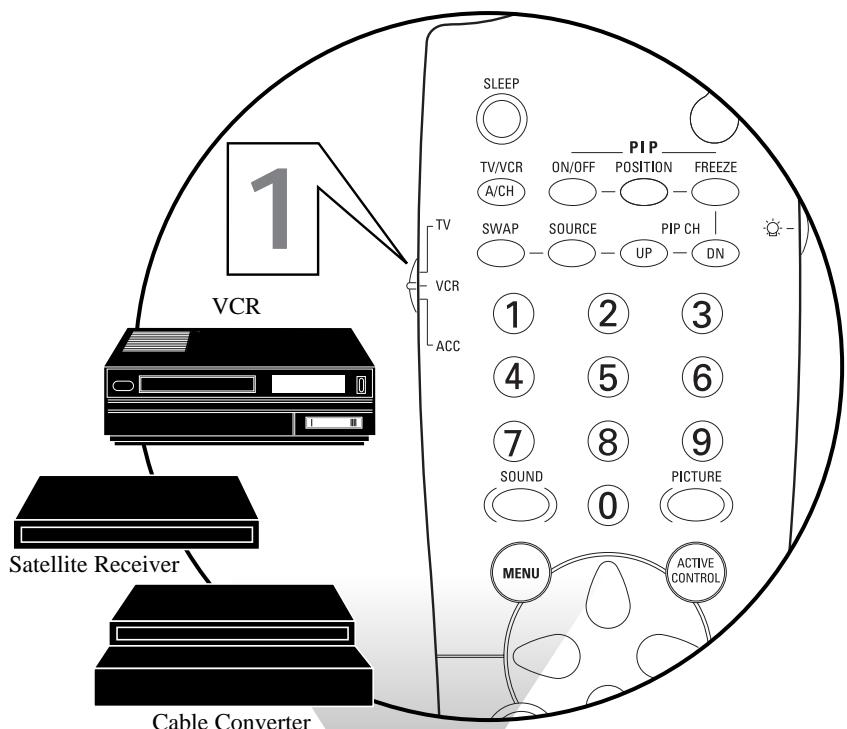
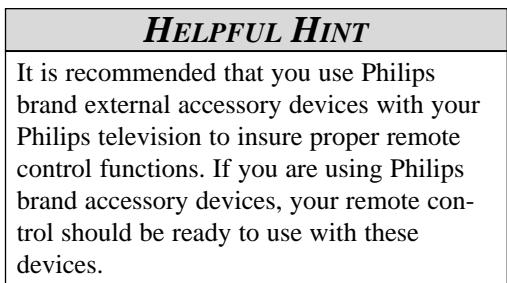


USING THE REMOTE WITH ACCESSORY DEVICES - DIRECT ACCESS

Your remote control is capable of working your TV and many other devices that respond to infrared remote control commands, such as VCRs, cable boxes, satellite systems, and DBS. Your remote may be already, as is, to work an accessory device, or you may need to use one of the methods ("Code Entry" or "Search") explained on pages 49 and 50.

First, try this simple test to see if your TV remote control will give you direct access to the accessory device's functions, or if you will need to try another method in order to set up your TV remote control for that capability.

- 1** **Slide the TV/VCR/ACC Switch to the proper position** on the remote control.
- 2** **Point the remote control at the remote sensor window of the accessory device and press the POWER button.**
- 3** Does the remote control turn the device ON?
If YES, stop and try other function buttons on the remote. If they also work the device, then the remote is ready and no further steps are needed.
If NO, go to the next page to try the Code-Entry method.





Follow these simple steps to enter a three-digit Accessory Device Code Number that will allow you to use your TV remote to work the functions of an accessory device. Please read through the steps once before performing them.

- 1** Look up a three-digit Accessory Device Code Number for the accessory device (found on pages 51-52) whose functions you want to work with your TV's remote control. **Slide the TV/VCR/ACC Switch to the proper position** (depending on your type of accessory device).
- 2** Press the CC/REC• button and the SOUND button simultaneously for a count of two, then release both buttons.
- 3** Within 30 seconds enter the three-digit code number for your accessory device (refer to page 51-52 for code list).
- 4** Point the remote at the remote sensor window of the device. Then **press the POWER button** on the remote to turn the unit ON.

NOTE: If the process just explained doesn't work the first time, repeat the same Accessory Device code number.

If after a second try the TV remote control does not operate your accessory device, see if other three-digit Accessory Device Code Numbers are shown for your device on the list pages 51-52 and repeat the steps above using a new number.

If after repeated attempts this method does not work for you, go to the next page and follow the steps for using the Search method to set up your remote control.

HELPFUL HINT

It is recommended that you use Philips brand external accessory devices with your Philips television to insure proper remote control functions. If you are using Philips brand accessory devices, your remote control should be ready to use with these devices.

054
056
057
891
944



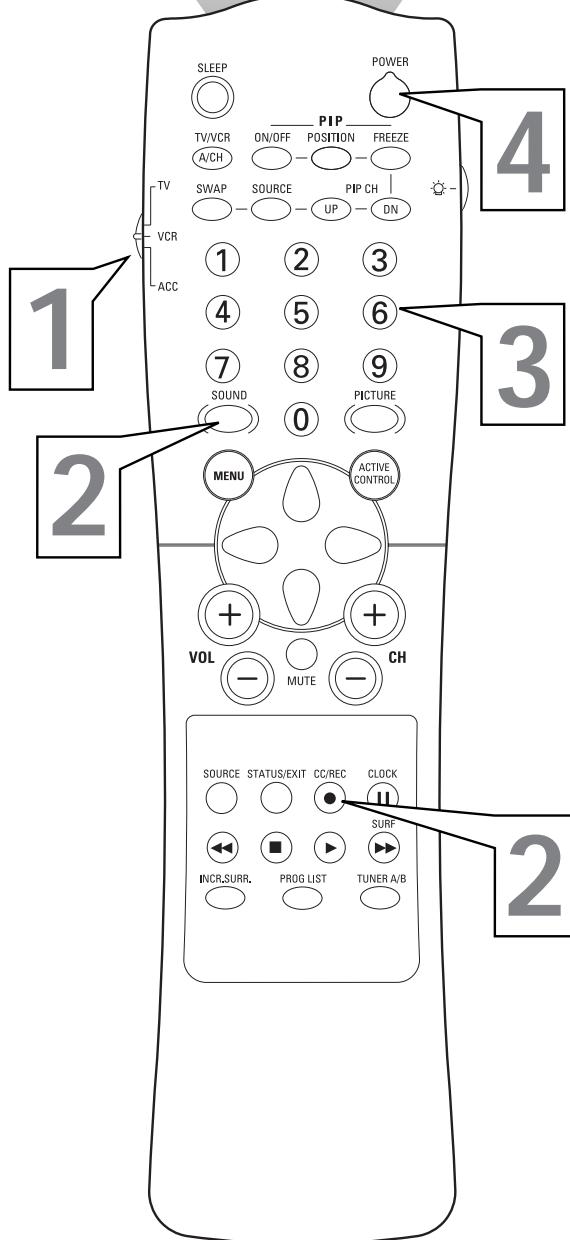
VCR



Satellite Receiver



Cable Converter





USING THE REMOTE WITH ACCESSORY DEVICES - SEARCH

Follow these simple steps to have your TV remote search for the code it needs to work the functions of your accessory device. Please read through the steps once before performing them.

NOTE: The Search method works only with devices equipped with channel display indicators or channel display capability.

- 1** Press the **POWER** button on the device your are attempting to program to turn it ON. **Slide the TV/VCR/ACC Swich to the proper position** (depending on the type of accessory device you have).
- 2** Press the **CC/REC•** button and the **SOUND** button **SIMULTANEOUSLY** and hold them down. Besure that the remote is pointing at the accessory device. The device will begin to change channels after the remote identifies the correct code.
- 3** When the channels start to change, release the **CC/REC•** button and **SOUND** button.
- 4** Don't let the device scan up more than five channels. If you do, the remote control may pass up the correct code, and another two-minute search cycle will have to be done.

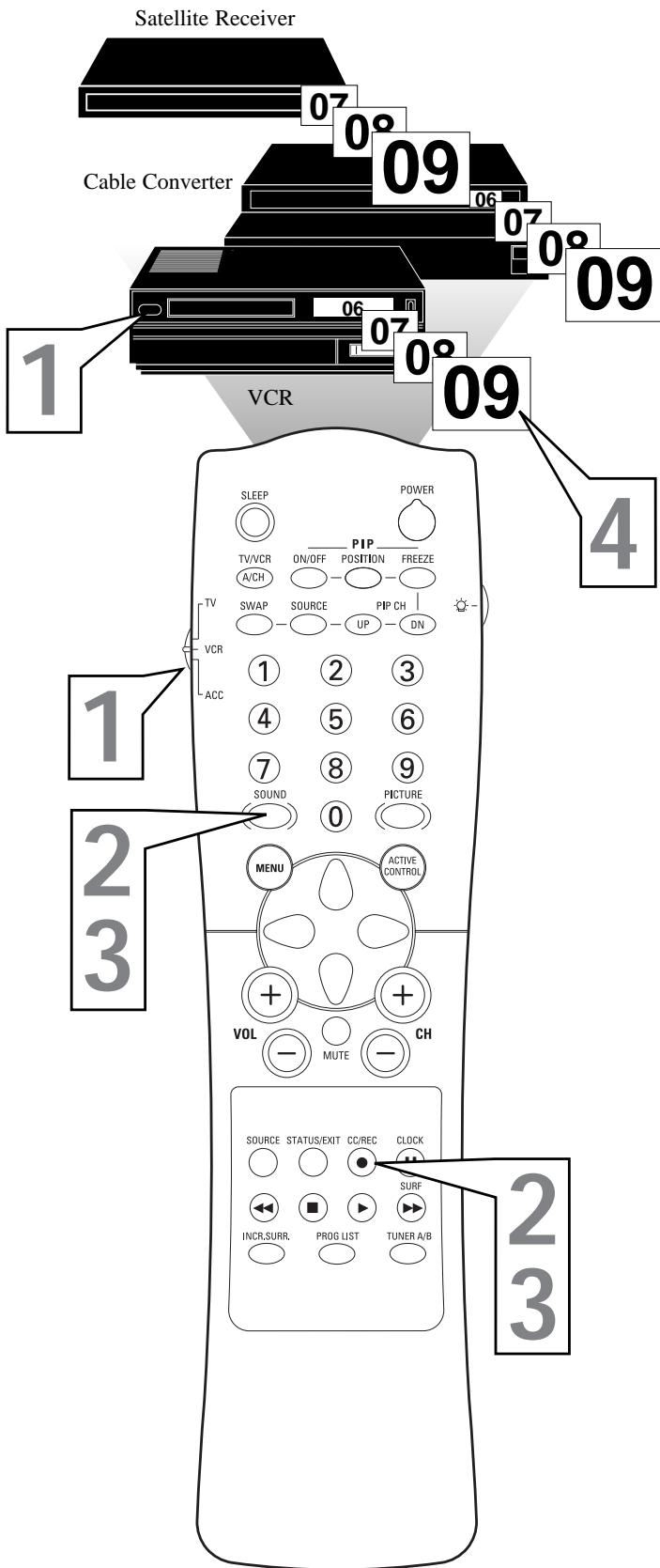
If no channel change happens within two minutes, repeat steps 1-4. Should a channel change still not occur, the remote will not work the desired device.

HELPFUL HINT

Don't let the device scan up more than five channels. If you do, the remote may pass up the right code, and another search cycle will have to be done.

If no channel change happens within several minutes, repeat steps 1-4. Should a channel change still not occur, the remote control will not work the desired device.

It is recommended that you use Philips brand external accessory devices with your Philips television to insure proper remote control functions. If you are using Philips brand accessory devices, your remote control should be ready to use with these devices.



CODE-ENTRY CODE LIST FOR ACCESSORY DEVICES



VCR	REMOTE CODE NO.	VCR	REMOTE CODE NO.	VCR	REMOTE CODE NO.
Admiral	.048	Loewe	.004	Sanyo	.046, 047, 104, 240, 268
Advantz	.358	Logik	.004, 072	Saville	.352
Adventure	.000	MEI	.035	Scott	.043, 045, 121, 164, 211, 212
Aiko	.278	MGA	.043, 061	Sears	.000, 035, 037, 042, 046,
Aiwa	.000, 037, 307, 348, 352	MGN Technology	.240		.047, 054, 066, 104, 105
Akai	.041, 049, 053, 061, 106, 315	MTC	.000, 240	Sharp	.046, 062
Alba	.352	Magnavox	.000, 035, 081, 146, 181	Shintom	.072
Amercian High	.035	Marta	.037	Shogun	.051, 240
Amstrad	.325, 332	Matsui	.004, 348, 352	Shoral	.004
Asha	.240	Matsushita	.035, 162, 454	Siemens	.003
Audiovox	.037	Memmorex	.307	Singer	.072
Baird	.107	Memorex	.000, 035, 037, 039, 046,	Sinudyne	.004
Beaumark	.240		.047, 048, 104, 240, 266, 307	Sony	.000, 011, 022, 032, 033,
Bell & Howell	.104	Metz	.003, 347		.034, 035, 253, 275
Blaupunkt	.003, 006, 154	Minolta	.042, 105	Sunkel	.348
Brandt	.187, 320, 321	Mitsubishi	.043, 061, 067, 075, 173, 443	Sunpak	.253
Broksonic	.121, 184, 211, 295, 361	Motorola	.035, 048	Sylvania	.000, 035, 043, 081, 103, 110
Bush	.352	Multitech	.000, 072	Symphonic	.000
CCE	.072, 278	NAD	.058	TMK	.036, 208, 240
Calix	.037	NEC	.036, 040, 041, 067, 104	Tatung	.041
Canon	.035	Nikko	.037	Teac	.000, 041
Capehart	.020	Nikon	.034, 253	Technics	.035, 162
Carver	.081, 146	Noblex	.240	Teknika	.000, 035, 037
Citizen	.037, 278	Nordmende	.297, 320, 321	Telefunken	.187, 320, 321
Colt	.072	Okano	.346	Tansal	.322
Combitach	.352	Olympus	.035, 226	Thomas	.000
Craig	.037, 047, 072, 240, 271	Optimus	.037, 048, 058, 104,	Thomson	.320
Curtis Mathes	.035, 041, 060		.162, 432, 454	Toshiba	.043, 045, 066, 212, 366
Cybermax	.051, 240	Optonica	.062	Totavision	.037, 240
Daewoo	.020, 045, 276	Orion	.004, 295, 348, 352, 479	Towada	.322
Daytron	.020	Panasonic	.035, 077, 162, 225,	Unitech	.240
Denon	.042		.226, 378, 454	Universum	.325
Dynatech	.000	Penney	.035, 037, 038, 040,	Vactor	.045
Electrophonic	.037		.042, 065, 105	Vactor Research	.038, 040
Emerex	.032	Pentax	.042, 065, 105	Video Concepts	.040, 045, 061
Emerson	.000, 002, 036, 037, 043, 061	Philco	.035	Videosonic	.240
	.068, 088, 121, 164, 208, 209,	Philips	.035, 062, 081, 110, 403	Wards	.000, 035, 042, 047, 048, 060, 062,
	.211, 212, 278, 295, 361, 479	Pilot	.037		.072, 081, 149, 161, 212, 240
Ferguson	.107, 320, 321	Pioneer	.058, 067	XR-1000	.000, 035, 072
Fisher	.047, 054, 066, 104	Portland	.020	Yamaha	.038
Fuji	.033, 035	Profax	.322	Zenith	.000, 033, 034, 039
Funai	.000	Profitronic	.240		
GE	.035, 060, 065, 202	Protec	.072	CABLE CONVERTOR	REMOTE CODE NO.
Garrard	.000	Pulsar	.039, 051	ABC	.001, 003, 007, 008,
Go Video	.232, 279, 432	Quarter	.046		.011, 013, 014, 017
Gold Star	.037, 038	Quartz	.046	Aliegio	.153
Gradiente	.000, 406	Quasar	.035, 077, 162, 454	Andover	.544
Grundig	.003, 007, 195, 347	RCA	.042, 060, 065, 077,	Antronix	.022
HI-Q	.047		.105, 106, 149, 202	Archer	.022, 153
Harley Davidson	.000	Radio Shack	.000, 037	Balcor	.056
Harman/Kardon	.038, 075	Radix	.037	British Telecom	.105
Harwood	.068, 072	Randex	.037	Cable Star	.056
Headquarter	.046	Realistic	.000, 035, 037, 045, 047	Cablatenna	.022
Hinari	.004, 352		.048, 062, 066, 104	Cabletime	.161, 271, 377, 448
Hitachi	.000, 004, 041, 042,	Ricoh	.034, 253	Cableview	.022
	.065, 105, 168, 235	Runco	.039	Century	.153
Ingersol	.004	SEG	.322	Citizen	.153
JVC	.008, 041, 067, 208, 384, 486	SEI	.004	Clyde	.086
Jensen	.041	STS	.042	Colour Voice	.025, 031
KEC	.037, 278	Saba	.297, 320, 321	Comtec	.274
KLH	.072	Saisho	.004	Comtronics	.040
Kenwood	.038, 041, 067, 384	Salora	.075	Contec	.019
Kodak	.035, 037	Samsung	.045, 051, 053, 240	Cryptovision	.600
LXI	.037	Sanky	.039, 048	Deceat	.423
Lloyd's	.000, 206	Sansui	.000, 041, 067, 271		



CODE-ENTRY CODE LIST FOR ACCESSORY DEVICES

CABLE CONVERTOR	REMOTE CODE NO.	CABLE CONVERTOR	REMOTE CODE NO.	SATELLITE	REMOTE CODE NO.
Eastern	.002, 274	United Artists	.007	Hirschmann	.397, 573
Everquest	.015, 040	United Cable	.003	Houston	.668
Filmnet	.443	Universal	.022, 056, 153, 191	Huth	.220, 243, 268
Focus	.400	Videoway	.250	ITT	.108
France Telecom	.451	Viewstar	.027, 063, 258	Intervision	.592
GC Electronics	.056	Visi Cable+	.461	JVC	.515, 571
GEC	.086	Westminster	.105	Kathrein	.092, 504, 622, 658
Ganard	.153	Wolsey Gaine	.544	La Sat	.513, 607
Gemini	.015, 070, 242	Zenith	.000, 054, 525	Lennox	.592
General Instrument	.011, 276, 476	Zentek	.400	Lupus	.369
Gold Star	.040			Luxor	.108, 573
Grundig	.529			Manhatten	.592
Hamlin	.009, 020, 034, 259	DBS	REMOTE CODE NO.	Maspro	.092, 336, 750
Hitachi	.011	Alpha Star	.772	Matsui	.571
Hytex	.007	Echostar	.775	Mediamarkt	.248
Jasco	.153	HTS	.775	Minerva	.571
Jerrold	.003, 011, 012, 014, .015, 024, 276, 476	Hitachi	.819	Mintec	.576
M.N.E. T.	.443	Hughes Network System	.749	Morgan's	.243, 513
MNet	.443	Jerrold	.627	Newhaus	.220
Macon	.033	Magnavox	.722, 724	Nikko	.360, 713
Magnavox	.027, 032, 334	Memorex	.724	Nokia	.108, 397, 573
Memorex	.000	Panasonic	.701	Nordmende	.362
Movie Time	.063	Philips	.722, 724	Orbitech	.501
NSC	.063, 070	Primestar	.627	Pace	.067, 183, 336, 455, 791
Oak	.007, 019	RCA	.566	Paliadium	.571
Optimus	.021	Sony	.639	Palsat	.501
Panasonic	.000, 021, 107	Toshiba	.790	Philips	.200, 292, 571, 750
Paragon	.000	Uniden	.724	Phonetrend	.288, 592
Philips	.025, 027, 031, 153, 242, 290, 334			Plasmatic	.442
Pioneer	.533, 753	SATELLITE	REMOTE CODE NO.	Proset	.288
Popular Mechanics	.400	AST	.351	Quadral	.362, 628
Pulsar	.000	Akai	.515	RFT	.220, 288
RCA	.021	Alba	.352, 515, 613	Radix	.396
Radio Shack	.015	Aldea	.288	SAT	.351, 461
Recoton	.400	Amstrad	.080, 252, 345, 461, 509, 689	SEG	.369
Regal	.020, 259	Ankaro	.220, 288, 369	Saba	.336
Regency	.002	Anitron	.183	Salora	.108
Rembrandt	.011, 070	Armstrong	.243	Satec	.183
Runco	.000	Astra	.108	Schwaiger	.183, 504
SL Marx	.040	Avalon	.396	Seemann	.396, 578, 626
Salora	.382	Axis	.369	Skymaster	.288, 626
Samsung	.040	BT	.515, 668	Sony	.704
Satbox	.375	Beko	.189	Star Trak	.421
Scientific Atlanta	.008, 017, 477	Best	.369	Strong	.421
Signal	.015, 040	Boca	.243, 513	Sunstar	.513
Signature	.011	Bush	.067	Tantec	.336
Sprucer	.021	Cambridge	.344, 515	Techni Sat	.262, 501
Star Sight	.542	Channel Master	.362	Teleka	.243, 613
Starcom	.003, 015	Commlink	.288	Tonna	.668
Stargate	.015, 040	Connexions	.396	Triad	.351
Starquest	.015	Conrad	.607	Universum	.571
Sylvania	.001	Crown	.243	Vtech	.351
TV85	.063	DDC	.362	Wisi	.351, 396
Tandy	.258	DNT	.396		
Tele+1	.443	Echostar	.396	DVD	REMOTE CODE NO.
Teleservice	.281	Ferguson	.067, 183, 189, 336	Kenwood	.534
Teleview	.040	Fidelity	.252	Mitsubishi	.521
Texscan	.001	Finiux	.108, 397	Panasonic	.490
Timeless	.274	Fuba	.369, 396	Philips	.539
Tocom	.012, 013, 059	G-Bat	.183	Pioneer	.550
Toshiba	.000	Galaxis	.286	RCA	.522
Tudl	.286	Gooding	.571	Sony	.552
Tusa	.015	Grundig	.173, 189, 571, 750	Toshiba	.503
Unike	.022, 153	Hinari	.183		

REMOTE CONTROL VCR SPECIFIC BUTTONS



When using the TV remote control with a VCR, first make certain it is set to control your VCR (by the REMOTE CODE or SEARCH method).

- 1** Slide the TV/VCR/ACC Switch to the VCR position.
- 2** Point the top of the remote toward the front of the VCR (remote sensor window) when pressing the buttons.

TV/VCR Button

Press while in the VCR mode (the VCR indicator on the front of the unit will light) to view the playback of a tape. Press again to place in the TV position (the VCR indicator light will go off) to view one program while recording another program.

TV/VCR/ACC Switch

When in the VCR position, the remote is in the VCR Mode of operation and commands can be sent to the VCR.

MENU Button

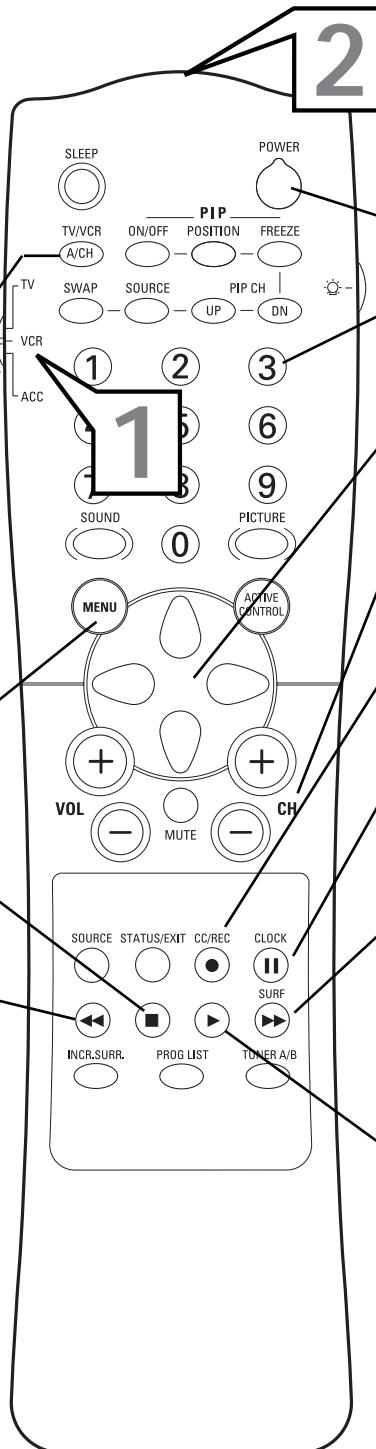
Press to display the VCR onscreen menu controls. Also used to make selection within the menu controls.

Stop Button ■

Press to stop the motion of a tape in playback, rewind, fast forward, and so on.

Rewind Button ◀◀

Press to rewind tapes. For some VCR's, the STOP button may have to be pressed first, then REWIND. In playback mode, hold down the button to view the picture moving rapidly in reverse.



Power Button

Press to turn the VCR ON and OFF.

Number Buttons

Press buttons for the direct selection of VCR channels.

Cursor Up/Down/Left/Right

Press to navigate the vcr onscreen customer controls.

Channel + and - Buttons

Press to scan up or down through the VCR channel numbers.

(cc)Record • Button

Hold the REC(ord/Sap) and PLAY ► buttons down to begin a VCR recording.

Pause Button II

Press to temporarily stop the tape during a playback or recording. Press again to release Pause.

Fast Forward Button ►►

Press to rapidly advance the tape. For some VCRs, you may need to press the STOP button first, then the FAST FORWARD button. In playback mode, hold the button down to view the picture moving rapidly in the forward direction.

Play Button ►

Press to begin playback of a videotape.

HELPFUL HINT

Remember, the VCR buttons on the remote will not operate your VCR if those features are not found on your VCR remote control.

NOTE: All VCR functions (particularly Search, Rewind, Fast Forward, etc.) will operate the same as with the original VCR remote control provided with the VCR.



USING THE PIP (PICTURE-IN-PICTURE) FEATURE

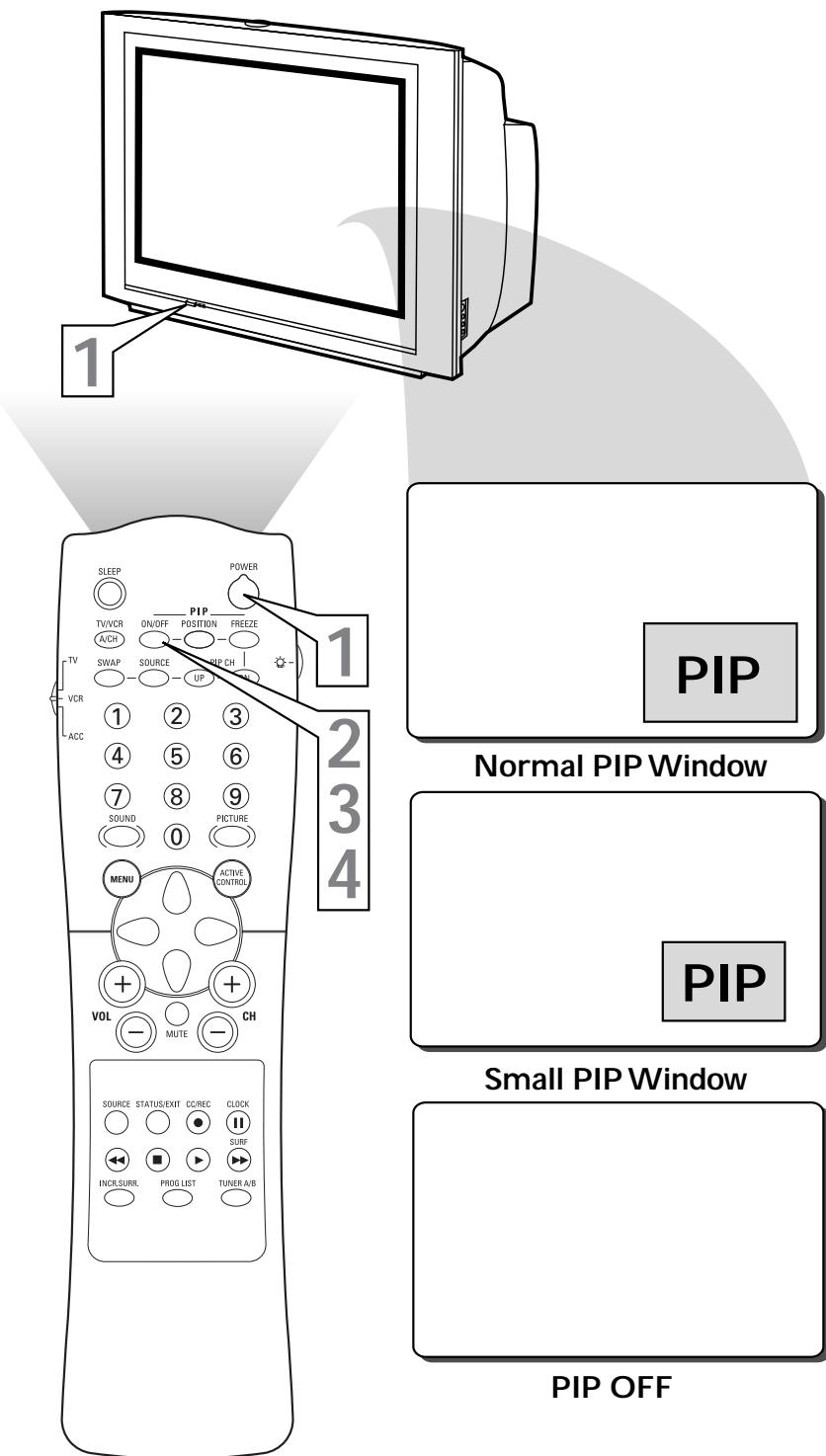
Picture-In-Picture (PIP) is the showing of two pictures on the TV screen at the same time. (One main screen picture and one small inset picture or PIP picture.) With only a cable or antenna signal connected, the PIP feature can display one channel on the main screen while showing another channel in the PIP window.

The signal from an external accessory devices can also be used to generate a PIP picture. VCRs, DVD players, or similar devices can be used to create the signal. The PIP window can display signals coming from the RF inputs, the AV1, AV2, CVI, S-Video or AV3 Jacks.

For basic connection instructions, please refer to the Audio/Video Input Jack section of this manual on pages 6-11.

Turning PIP ON/OFF:

- 1** Turn the TV and the external accessory device (if using one) ON.
- 2** Press the **PIP** button on the remote control. The PIP window will appear in one of the screens four corners.
- 3** Press the **PIP** button a second time to reduce the size of the PIP window.
- 4** Press the **PIP** button a third time to turn the PIP window OFF.



USING THE PIP (PICTURE-IN-PICTURE) FEATURE



PIP CHANNELS/SOURCE

The picture (or signal) for the PIP window can come from the ANT/CABLE (75Ω) input or the external audio/video input jacks located on the back of the TV. Selecting a PIP channel or source simply tells the TV what to display in the PIP window.

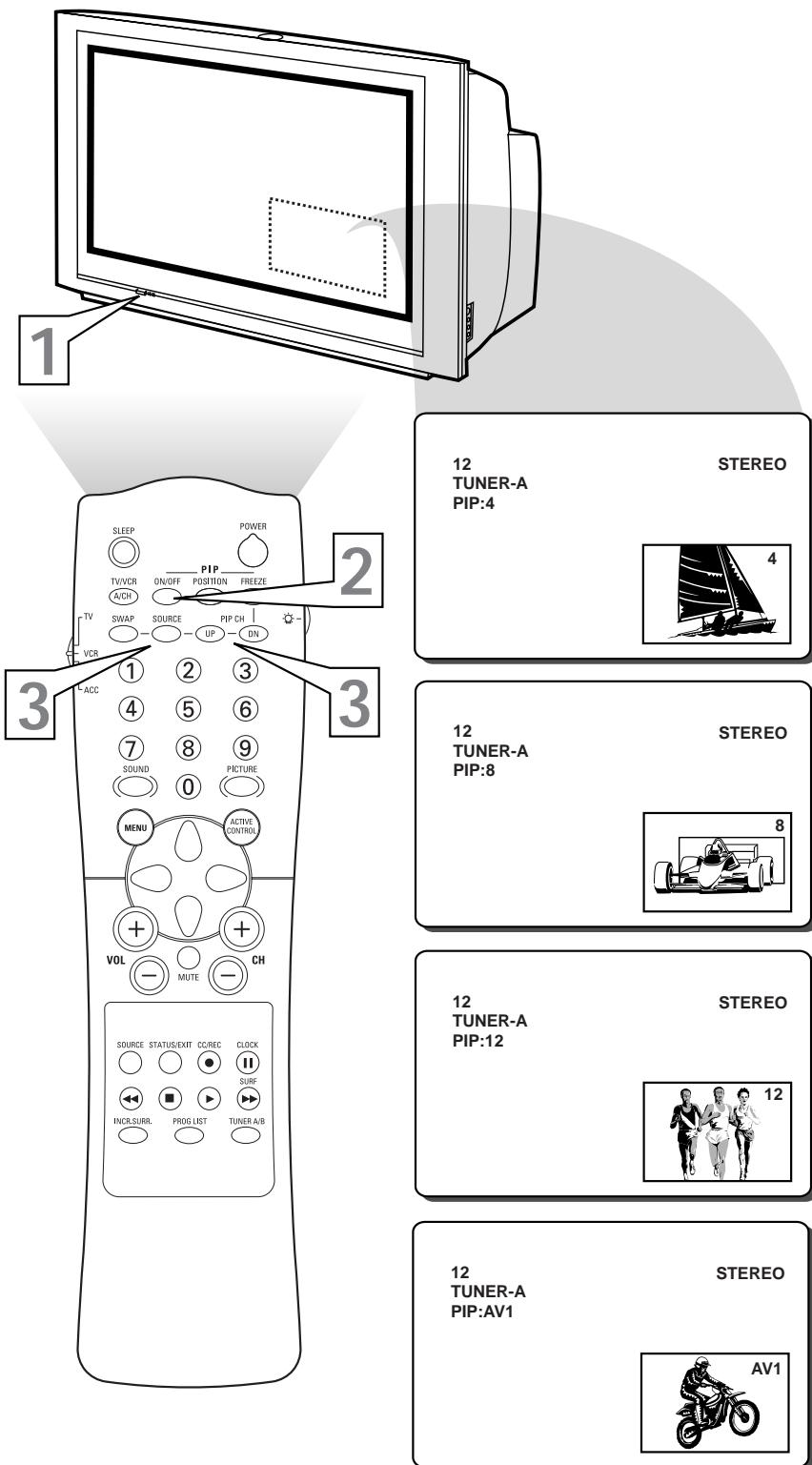
The signal from an external accessory devices can be used to generate a PIP picture. VCRs, DVD players, or similar devices can be used to create the signal using the RF inputs, the AV1, AV2, CVI, S-Video or AV3 Input Jacks. The PIP window can also display normal broadcast channels that have been autoprogrammed into the television's memory.

- 1 Turn the TV and the external accessory device (if using one) ON.
- 2 Press the **PIP** button on the remote control. The PIP window will appear in one of the four corners of the screen.
- 3 Press the **PIP SOURCE** button to select any of the Input Jacks or press the **PIP CH UP** or **DN** buttons to scroll all the available channels coming from the ANTENNA B 75 Ω Input. When using these buttons, the channel changes will occur in the PIP window, not the main screen.

NOTE: The normal Channel + and – buttons will not change channels in the PIP window. They are for use with the main screen picture only.

HELPFUL HINT

The PIP picture can also be selected by tuning a channel or source on the main TV picture and then swapping the main picture with the PIP window picture. (i.e.; Tune the AV1 channel on the main TV picture using the AV button, then swap it into the PIP window using the PIP SWAP button.) Refer to the next page to learn how to use the PIP SWAP button.



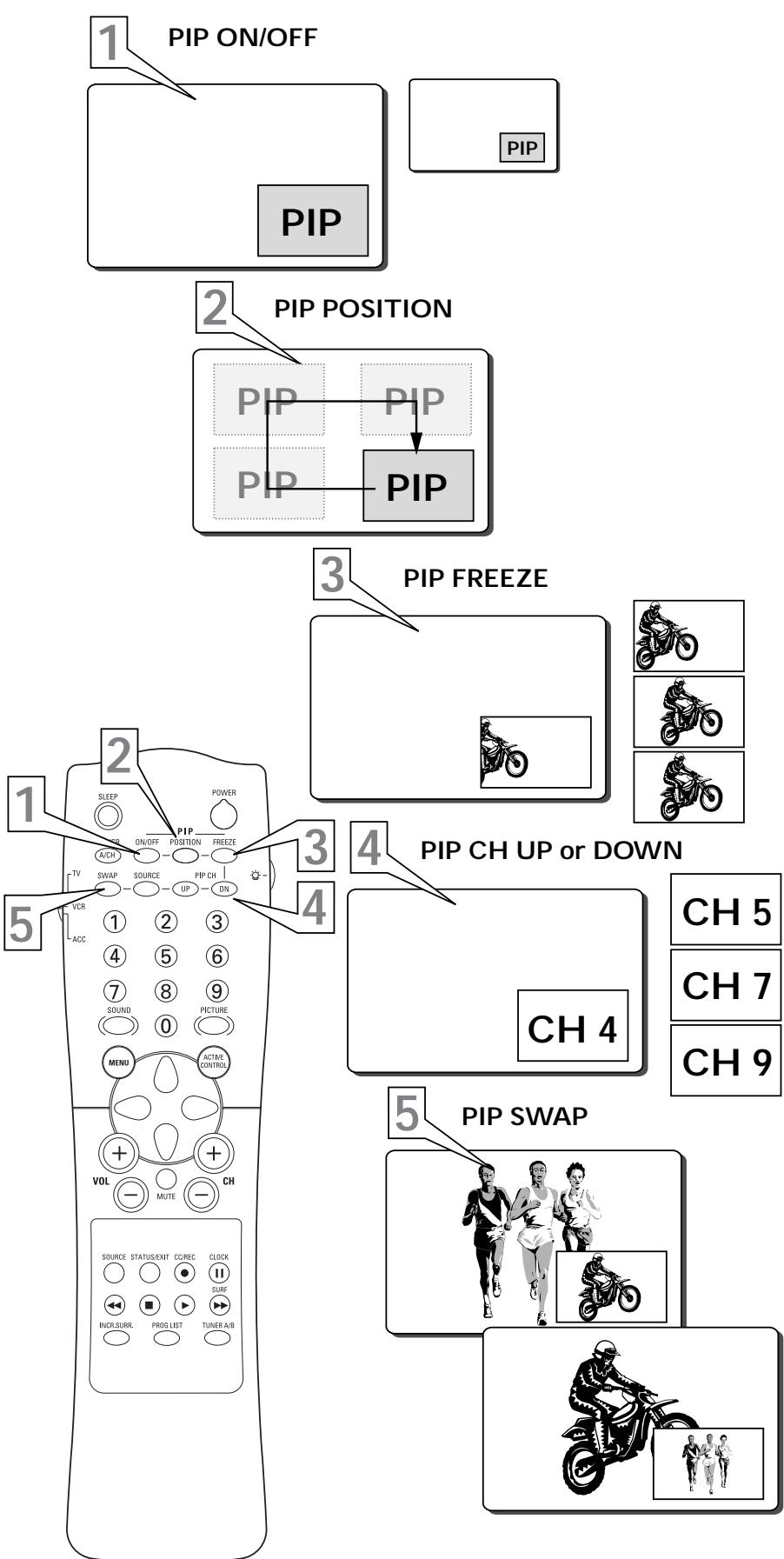


USING THE PIP (PICTURE-IN-PICTURE) FEATURE

PIP FEATURE BUTTONS

By using the PIP feature remote control buttons, the PIP picture can be moved and swapped with the main screen. The PIP picture can also be frozen within the PIP window.

- 1 Press the **PIP** button to show the PIP window. The PIP window will appear on one of the four corners of the TV screen. The PIP button will also change the size and format of the PIP window.
- 2 Press the **POSITION** button on the remote to move the PIP window to any of the four corners of the TV screen.
- 3 While the PIP window is visible, press the **FREEZE** button to stop the action, freezing the image in the PIP window. Press the **FREEZE** button again to resume the normal viewing of the PIP images.
- 4 Press the **PIP CH(annel) UP or DN** buttons on the remote to select different channels or PIP picture sources.
- 5 Press the **SWAP** button on the remote to swap the main screen picture with the PIP window picture. Press the **SWAP** button again to return the pictures to their original positions.



USING THE PIP (PICTURE-IN-PICTURE) FEATURE



PIP COLOR AND TINT CONTROLS

Within the FEATURES onscreen menu there are controls that will allow you to adjust the Color and the TINT for the PIP picture.

1 Press the MENU button the remote control to display the onscreen menu.

2 Press the CURSOR DOWN until FEATURES is highlighted.

3 Press the CURSOR RIGHT to shift the menu options to the left.

4 Press the CURSOR DOWN until the word PIP is highlighted.

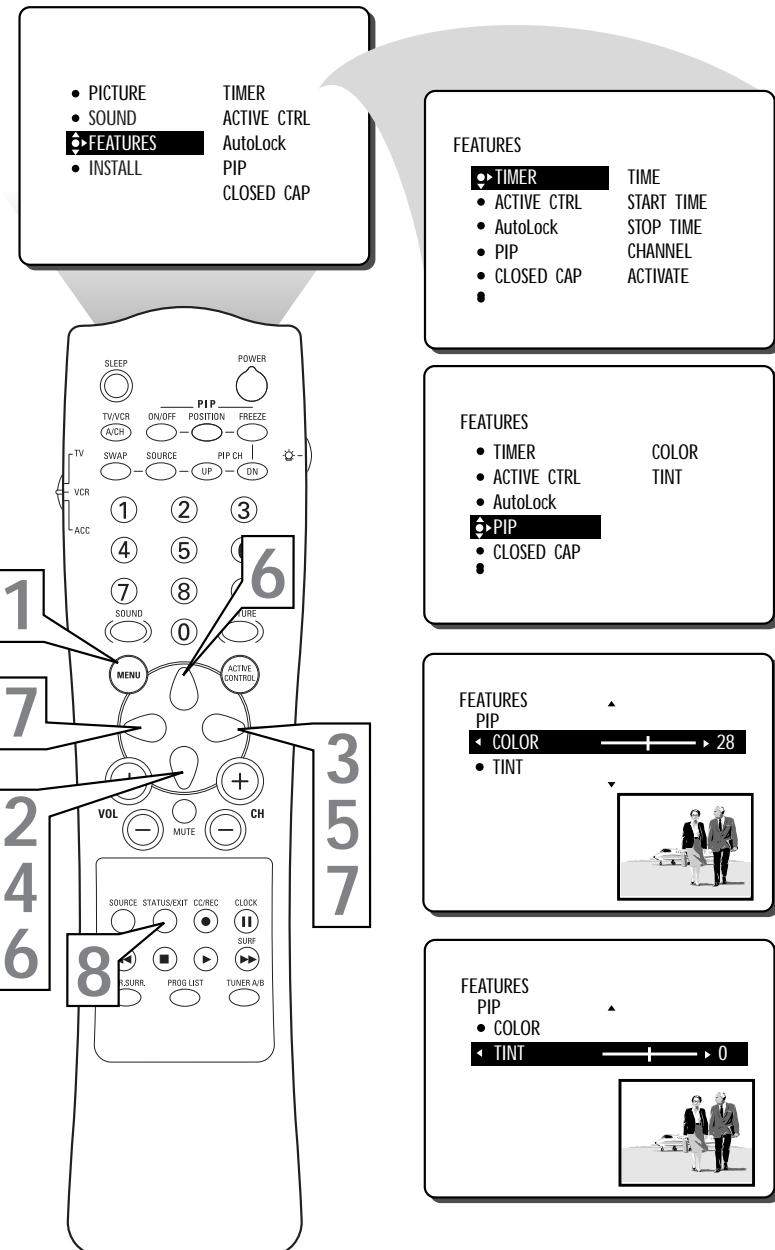
5 Press the CURSOR RIGHT to highlight the PIP COLOR control.

NOTE: When the PIP COLOR or TINT Controls are activated to make adjustments, the PIP window will appear even if the PIP feature is not turn on.

6 Press the CURSOR UP or DOWN to select either the COLOR or TINT control.

7 Press the CURSOR RIGHT or LEFT to adjust the COLOR or TINT levels for the PIP picture.

8 Press the STATUS/EXIT button when finished to remove the onscreen menu from the TV screen.





CARE AND CLEANING

WARNING Concerning Stationary Images on the TV Screen:

Do not leave stationary or letterbox images on screen for extended periods of time. This can cause uneven picture-tube aging.

Normal use of the TV should involve the showing of pictures that contain constantly moving and changing images that fill the screen. Be careful not to leave nonmoving images on screen for extended periods of time, or to display the same images on screen too frequently, because subtle ghost images can be left on the picture tubes. Sources of stationary images may be DVD disks, laser disks, video games, CD-i disks, videotapes, digital television boxes, broadcast channels, cable channels, satellite channels, and others. **Here are some examples of stationary images (this is not an all-inclusive list; you may encounter others in your viewing):**

- **DVD menus**—listings of DVD disk content
- **Letterbox black bars**—shown at the top and bottom of the TV screen when a wide screen (16:9) movie is viewed on a TV with standard (4:3) aspect ratio.
- **Video-game images and scoreboards**
- **Television station logos**—present a problem if they are bright and stationary; moving or low-contrast graphics are less likely to cause uneven aging of the picture tube
- **Stock-market tickers**—presented at the bottom of the TV screen
- **Shopping channel logos and pricing displays**—bright and shown constantly or repeatedly in the same location on the TV screen.

PLACEMENT OF THE TV

- To avoid cabinet warping, cabinet color changes, and increased chance of set failure, do not place the TV where temperatures can become excessively hot; for example, in direct sunlight or near a heating appliance.
- Be sure to allow a free flow of air to and from the perforated back cover of the set.

CLEANING

- To avoid possible shock hazard, be sure the TV is unplugged from the electrical outlet before cleaning.
- Regularly dust the TV with a dry, nonscratching duster to keep the TV clean.
- When cleaning the TV, take care not to scratch or damage the screen surface. Avoid wearing jewelry or using anything abrasive. Do not use household cleaners. Wipe the front screen with a clean cloth dampened with water. Use even, easy, vertical strokes when cleaning.
- Gently wipe the cabinet surfaces with a clean cloth or sponge dampened in a solution of cool, clear water and a mild soap or detergent. Use a clean, dry cloth to dry the wiped surfaces.
- Occasionally vacuum the ventilation holes or slots in the back cover of the set.
- Never use thinners, insecticide sprays, or other chemicals on or near the cabinet, as they might cause permanent marring of the cabinet finish.



No Power

- Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
- Check that the outlet is not on a wall switch.
- Be sure the fuse is not blown on the AC power strip, if one is being used.

No Picture

- Check antenna connections. Are they properly secured to the TV's ANT 75Ω plug?
- Check the TUNER MODE control for the correct tuner setting.
- Try running the Auto Program feature to find all available channels.
- Press the AV button on the remote to make sure the correct signal source is selected (FRONT or Current Channel).

No Sound

- Check the VOLUME buttons.
- Check the MUTE button on the remote control.
- If you're attempting to hook up auxiliary equipment, check the audio jack connections located on the front of the TV.

Remote Does Not Work

- Check the batteries. If necessary, replace them with AA Heavy Duty (Zinc Chloride) or Alkaline batteries.

Remote Does Not Work Continued

- Clean the remote control and the remote control sensor window on the TV.
- Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
- Be sure the fuse is not blown on the AC power strip, if one is being used.
- Check to be sure the TV outlet is not on a wall switch.

TV Displays Wrong Channel or No Channels Above 13

- Repeat channel selection.
- Add the desired channel numbers (using the CHANNEL EDIT control) into the TV's memory.
- Check to be sure the TUNER MODES are set to the CABLE option and run the Auto Program feature to find all available channels.

TV Displays white lines in letterbox when viewing a DVD disc

- Some DVD Discs are encoded with as much as 30% more video information to give the best possible picture quality. With the DVD Player in the 16:9 picture format, the playback of this type of disc with extra video information, can produce a number of small white lines in the upper portion of the black letterbox area. With some of these discs, this situation is unavoidable and it does not require a service call.



GLOSSARY OF TELEVISION TERMS

Active Control • Active Control continuously measures and corrects the incoming signals to provide the best picture possible.

Alternate Channel • Allows you to toggle between the last two channels viewed by pressing the A/CH button on the remote control.

Audio/Video Inputs • Jacks (standard RCA), located on the back of the TV, used for external accessory devices. These jacks are designed to receive higher picture resolution and offer sound-connection options.

Auto Programming • When activated, this feature scans for all available channels from regular antenna or cable signals and stores only active broadcast stations in the TV's memory.

Channel Edit • The feature that allows you to add or delete channels from the list of channels stored in the TV's memory.

Closed Captioning • The broadcast standard feature that allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, Closed Captioning shows dialogue and conversations while a TV program is in progress.

Coaxial Cable • A single solid wire normally matched with a metal plug (F-type) end connector that screws (or pushes) directly onto a 75-ohm input found on the television or VCR.

Component Video Inputs • Inputs that allow the separate reception of blue, red, and luminance signals. These inputs provide the highest possible color and picture resolution in the playback of digital signal-source material, such as the kind available from DVD players.

Composite Video Input • An input in which all the components required for displaying the onscreen image are combined in one signal.

High-definition Television (HDTV) • High-resolution digital television.

Identify • The method by which a TV remote control searches and finds an operating code for another product (such as a VCR or a cable converter). After the code has been "identified," the TV remote control can operate and send command to the other product.

Incredible Stereo (or Surround) • False acoustic management of the audio signal that produces a dramatic expansion of the wall of sound that surrounds the listener and heightens overall viewing pleasure.

LED • Light Emitting Diode used as the power on light.

Menu • An onscreen list of feature controls available for you to adjust or set.

MPAA • Motion Picture Association of America

Onscreen Displays (OSD) • The wording or messages generated by the television (or VCR) to help you with specific feature controls (color adjustment or programming, for example).

PIP Freeze • TV mode which allows you to "freeze" a certain PIP window image in order to study a specific detail at ease, e.g. to make notes of certain program information like phone numbers.

Picture-In-Picture (PIP) • The showing of two pictures on the TV screen at the same time (one main screen picture and one small picture, or PIP picture).

Remote Control Sensor Window • The window or opening found on the television control panel through which infrared remote control command signals are received.

RF • Radio Frequency or modulated signal design used as the carrier for television broadcasts.

Second Audio Program (SAP) • An additional audio channel provided for in the Multichannel Television Sound (MTS) broadcast standard. A monaural soundtrack included within the recorded or video signal (usually containing a second language translation for the displayed programming).

Status/Exit Button • The remote control function that allows you to quickly confirm what channel number you are watching. Status/Exit can also be used to clear the television of onscreen displays or information. You can use Status/Exit rather than having to wait for the displays to "time out," or automatically disappear from the screen.

S-Video Input • Signal input that allows direct connection of high-resolution video sources, such as a satellite receiver, DVD player, S (Super)-VHS videocassette recorder, or video games. Provides improved picture resolution, sharpness, and clarity.

Tint • TV function that allows you to change the general color balance between cool and warm. Adjust tint according to your personal preference.

Twin Lead Wire • The more commonly used name for the two-strand, 300-ohm antenna wire used with many indoor and outdoor antenna systems. In many cases, this type of antenna wire requires an additional adapter (or balun) in order to connect to the 75-ohm input terminals designed into the more recent TVs and VCRs.

Variable Audio Output • An adjustable audio output which allows for external volume control at the TV.

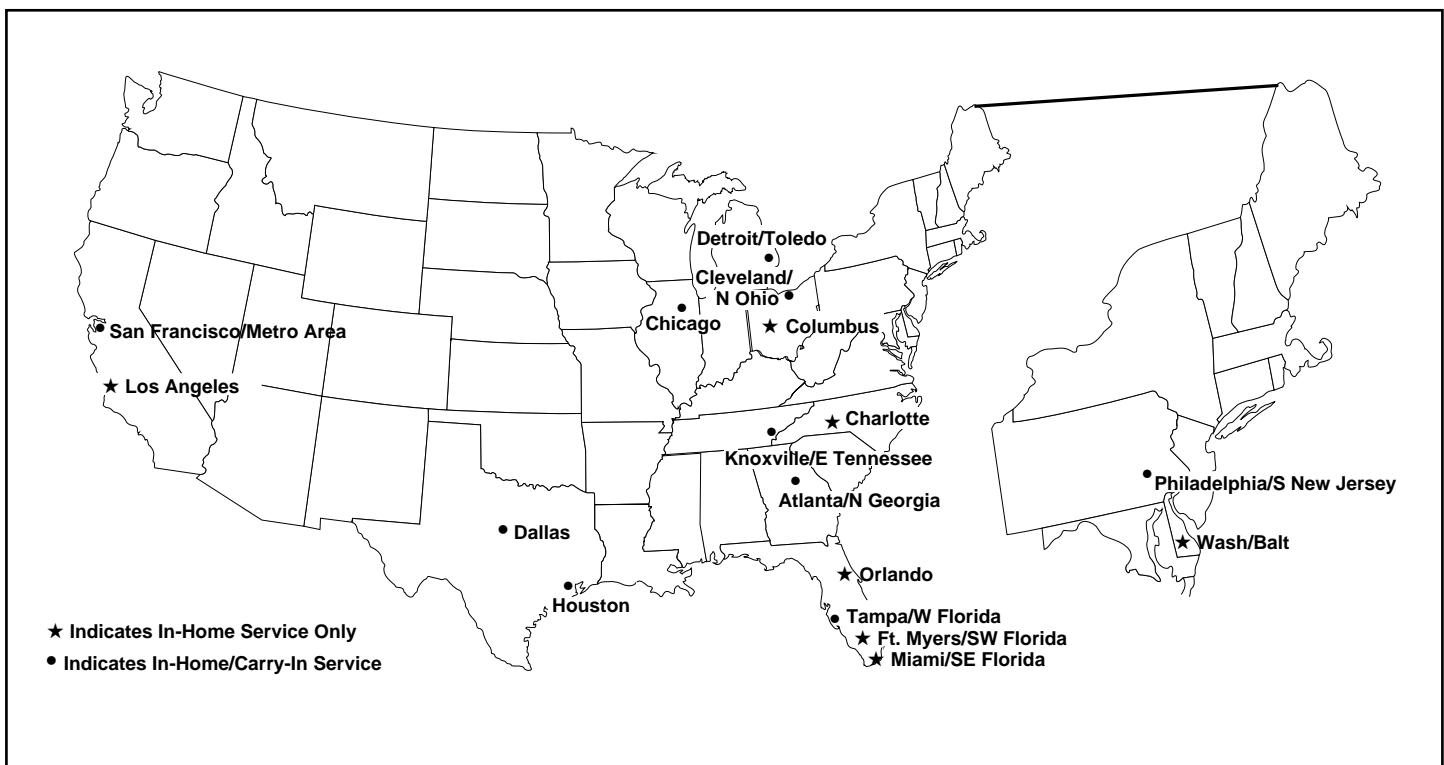
INDEX



Active Control™	30	External Speaker Jacks	13
Alternate Channel Control	47	Jack Panel Descriptions	6
Audio Out Control	22	Monitor Output Jacks	12
AutoLock™ Controls		S-Video Input Jacks	11
Access Code	32	Picture Control	14
AutoLock™ Status Screen	39	PIP Channels	56
Blocking Programs based on Movie Ratings	35	PIP Color Control	57
Blocking Programs based on TV Ratings	36	PIP Features	54-57
Blocking Channels	33	PIP Picture Source	55
Blocking Control (Activating Blocking Controls)	37	PIP Remote Control Buttons	56
Blocking based on No Ratings	38	PIP Tint Control	57
Clearing All Blocked Channels	34	Registration of TV Information	2
Understanding the AutoLock™ Features	31	Remote Control Use with Accessory Devices	
AutoPicture™ Control	45	Code-Entry Method of Identification	49
AutoSound™ Control	46	Direct Access Method of Identification	48
AVL (Automatic Volume Leveler) Control	18	Direct-Entry Code List	51-52
Balance Control	17	Search Method of Identification	50
Bass Control	17	VCR Specific Buttons	53
Blue Mute Control	43	Rotation Control	42
Brightness Control	14	Safety Information	2-3
Care and Cleaning Information	58	SAP (Secondary Audio Programs) Control	21
Closed Captioning	40	Screen Format Control	41
Color Control	14	Sharpness Control	14
Color Temperature (Color Temp) Control	14	Sleep Timer Control	44
Contrast + Control	16	Stereo/Mono Control	20
DNR (Dynamic Noise Reduction) Control	15	Surf (Channel Surf) Control	47
Factory Service Locations	62-63	Timer Controls	
Feature Highlights	5	Activate Control	28
Glossary of Terms	60	Clock, Time Control	24
Incr.(edible) Surround Control	19	Display Control	29
Index	61	Start Channel Control	27
Jack Panel Input/Output Connections		Start Time Control	25
Audio Output Jacks	12	Stop Time Control	26
Audio/Video Cables	6	Tint Control	14
AV1 Input Jacks	7	Treble Control	17
AV2 Input Jacks	8	Troubleshooting	59
AV3 (Side with Headphone) Input Jacks	9	TV Speaker Control	23
CVI - Component Video Input Jacks	10	Warranty (Limited)	64



FACTORY SERVICE LOCATIONS



NOTE: If you reside in one of our Philips Factory Service Branch areas (see directory on back), you can contact the nearest Service Branch to obtain efficient and expedient repair for your product. If your product is In-Warranty, you should have proof-of-purchase to ensure No Charge Service. For Out-of-Warranty service, call the location nearest you.

NOTA: Si vous résidez dans une des régions desservies par une succursale de service après vente du fabricant Philips (voir liste ci-dessous), vous pourrez contacter la branche de service après vente la plus près de chez vous pour obtenir un service après vente rapide et efficace. Si le produit est sous garantie, il suffira de présenter une preuve d'achat pour bénéficier d'un service sans frais. Pour les produits non couverts par la garantie, contactez le centre le plus près de chez vous.

NOTA: Si Ud. reside en una de nuestras zonas para sucursales Philips de servicio al de fábrica (ver directorio más abajo), Ud. puede comunicarse con la sucursal de servicio más cercana para obtener una reparación oportuna y eficaz de su producto. Si su producto está todavía bajo garantía, Ud. debe presentar comprobante de compra para no ocasionar ningunos cargos por servicio. Para servicio después del vencimiento de la garantía, llame al lugar más cercano de los abajo indicados.

In Canada

How you can obtain efficient and expedient carry-in, mail-in, or in-home service for your product

Please contact Philips at

1-800-661-6162 (French speaking)

1-800-363-7278 (English or Spanish speaking)

Au Canada

Comment obtenir le service après-vente pour les produits apportés ou envoyés par la poste à notre centre de service ou le service à domicile

Veuillez contacter philips à:

1-800-661-6162 (Francophone)

1-800-363-7278 (Anglais ou Espagnol)

En el Canadá

Cómo recibir servicio eficiente para su producto, en persona, por correo o a domicilio

Favor de comunicarse con Philips al:

1-800-661-6162 (francófono)

1-800-363-7278 (Inglés o Español)

FACTORY SERVICE LOCATIONS



QUALITY SERVICE IS AS CLOSE AS YOUR TELEPHONE! SIMPLY LOOK OVER THE LIST BELOW FOR THE NUMBER OF A FACTORY SERVICE CENTER NEAR YOU. YOUR PRODUCT WILL RECEIVE EFFICIENT AND EXPEDIENT CARRY-IN, MAIL-IN, OR IN-HOME SERVICE, AND YOU WILL RECEIVE PEACE OF MIND, KNOWING YOUR PRODUCT IS BEING GIVEN THE EXPERT ATTENTION OF PHILIPS' FACTORY SERVICE.

COMMENT OBTENIR NOTRE SERVICE APRÈS VENTE RAPIDE ET EFFICACE SOIT PAR COURRIER, À DOMICILE, OU EN SE PRÉSENTANT À UN CENTRE DE SERVICE PHILIPS. PLUS DE 600 CENTRES DE RÉCEPTION DE PRODUITS À RÉPARER À TRAVERS LE PAYS: CONTACTER LE CENTRE DE SERVICE AUX CONSOMMATEURS LE PLUS PROCHE POUR SAVOIR L'EMPLACEMENT DE CES DÉPÔTS DANS UN RAYON DE 50 À 75 MILES (80 KM À 120 KM) DU CENTRE DE SERVICE LOCAL.

CÓMO OBTENER UN SERVICIO OPORTUNO Y EFICIENTE POR CORREO, EN CASA O EN PERSONA PARA SU PRODUCTO A TRAVÉS DE UN CENTRO PHILIPS DE SERVICIO. MAS DE 600 SITIOS POR TODO EL PAÍS PARA LA RECEPCIÓN DE PRODUCTOS NECESITADOS DE REPARACIONES: COMUNICARSE CON EL CENTRO DE SERVICIO DE FABRICA MAS CERCANO PARA ESTOS LUGARES DENTRO DE UN RADIO DE 80 A 120 KM (50 A 75 MILLAS) DEL CENTRO DE SERVICIO LOCAL.

ATLANTA

Philips Factory Service
550 Franklin Road., Suite F
Marietta, GA 30067
800-273-1501

TAMPA

Philips Factory Service
1911 US Highway 301 North
Tampa, FL 33619
800-442-2027

SAN FRANCISCO

Philips Factory Service
681 East Brokaw Rd.
San Jose, CA 95112
800-300-9013

HOUSTON

Philips Factory Service
1110 N. Post Oak Rd., Suite 100
Houston, TX 77055
800-952-3254

CLEVELAND

Philips Factory Service
950 Keynote Circle
Brooklyn Heights, OH 44131
800-331-7037

DETROIT

Philips Factory Service
25173 Dequindre
Madison Heights, MI 48071
800-438-1398

DALLAS

Philips Factory Service
415 N. Main Street, #107
Euless, TX 76040
800-952-3254

CHICAGO

Philips Factory Service
1279 W. Hamilton Pkwy.
Itasca, IL 60143
800-531-2922

KNOXVILLE

Philips Factory Service
6700 D Papermill Rd.
Knoxville, TN 37919
800-821-1767

PHILADELPHIA

Philips Factory Service
352 Dunks Ferry Rd.
Bensalem, PA 19020
800-847-9320

LIMITED WARRANTY

COLOR TELEVISION

90 Days Free Labor

One Year Free Replacement of Parts (Two Years Free Replacement on Color Picture Tube)
This product can be repaired in-home.

WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. For 90 days thereafter, all parts will be repaired or replaced free, and labor is free. From 90 days to one year from the day of purchase, all parts will be repaired or replaced free, but you pay for all labor charges. From one to two years from the day of purchase, you pay for the replacement or repair of all parts except the picture tube, and for all labor charges. After two years from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics Company.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Philips Consumer Electronics Company. In countries where Philips Consumer Electronics Company does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...

Please check your owner's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO OR U.S. VIRGIN ISLANDS...

Contact a Philips factory service center (see enclosed list) or authorized service center to arrange repair.

(In U.S.A., Puerto Rico and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

FOR WARRANTY COVERAGE IN CANADA...

Note: Product Warranty coverage may vary between countries where product is distributed by Philips Consumer Electronics Company. In order to receive full and specific warranty details for products sold and serviced in Canada, please contact Philips at:

1-800-661-6162 (from Canada - French Speaking)

1-800-531-0039 (English and Spanish Speaking)

REMEMBER...

Please record the model and serial numbers found on the product below. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL #

SERIAL #

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Philips Consumer Electronics Company, P.O. Box 520890, Miami, FL 33152, (402) 536-4171